



## **Canada-United States-Ontario-Michigan Border Transportation Partnership**

# **Practical Alternatives Evaluation Working Paper Archaeology**

**August 2007**

## Executive Summary

The Detroit River International Crossing (DRIC) Environmental Assessment Study is being conducted by a partnership of the federal, state and provincial governments in Canada and the United States in accordance with the requirements of the Canadian Environmental Assessment Act (CEAA), the Ontario Environmental Assessment Act (OEAA), and the U.S. National Environmental Policy Act (NEPA).

As part of the overall analysis of Practical Alternatives for the Detroit River International Crossing (DRIC) study, an analysis of potential archaeological impacts of the alternatives was undertaken. Archaeological considerations fall under the "Protection of Cultural Resources" evaluation factor. This is one of seven major factors being used throughout the DRIC study. The detailed assessment of potential archaeological implications is documented under the associated technical report.

A Stage 1 Archaeological Assessment which involves detailed documentary research of the archaeological and land use history of an area under investigation was initially conducted. This assessment also included an inspection visit to the area to gain first hand knowledge of the area's geography, topography, and current conditions. Considered together, this information was employed to determine and map the potential for archaeological resources within the study area.

A Stage 2 Archaeological Assessment consists of the systematic field investigation of areas determined to have archaeological potential. This assessment was conducted on properties in these areas of interest impacted by or in proximity to the Practical Alternatives. This assessment involves the documentation and inventory of archaeological resources within those areas.

The lands to be subject to archaeological assessment have been assigned survey priorities (Priorities 1 to 5, with 1 being the highest). The survey priorities are based on expert judgment with respect to potential for the presence of archaeological sites, the need to identify significant sites as soon as possible in areas common to all alternatives, and the need to gather sufficient information to contribute meaningfully to the evaluation of Practical Alternatives with respect to potential impact to archaeological sites and areas of archaeological potential. This update summary represents the initial findings of the Stage 2 Archaeological Assessment for the DRIC Environmental Assessment (EA) for Priority 1, 2, and 3 lands.

To date, a total of 42 sites have been located within the Area of Investigation. All artifacts recovered from these sites were processed in Archaeological Services Inc.'s (ASI) laboratory. Data analysis includes the evaluation of each site with respect to those that require further investigation through additional surface or sub-surface testing in order to assess the cultural heritage value of the individual archaeological site.

Once a technically and environmentally preferred alternative is selected, a Stage 2 assessment is required for those lands that were not surveyed because permission to enter these properties is either unknown or denied. Furthermore, a stage 3 site-specific assessment will be conducted on those sites determined to have cultural heritage potential or interest that will be disturbed or destroyed by the undertaking.

## Preface

The Detroit River International Crossing (DRIC) Environmental Assessment Study is being conducted by a partnership of the federal, state and provincial governments in Canada and the United States in accordance with the requirements of the Canadian Environmental Assessment Act (CEAA), the Ontario Environmental Assessment Act (OEAA), and the U.S. National Environmental Policy Act (NEPA). In 2006, the Canadian and U.S. Study Teams completed an assessment of illustrative crossing, plaza and access road alternatives. This assessment is documented in two reports: *Generation and Assessment of Illustrative Alternatives Report - Draft November 2006* (Canadian side) and *Evaluation of Illustrative Alternatives Report (December 2006)* (U.S. side). The results of this assessment led to the identification of an Area of Continued Analysis (ACA) as shown in Exhibit 1.

Within the ACA, practical alternatives were developed for the crossings, plazas and access routes alternatives. The evaluation of practical crossing, plaza and access road alternatives is based on the following seven factors:

- Changes to Air Quality
- Protection of Community and Neighbourhood Characteristics
- Consistency with Existing and Planned Land Use
- Protection of Cultural Resources
- Protection of the Natural Environment
- Improvements to Regional Mobility
- Cost and Constructability

This report pertains to the Protection of Cultural Resources factor, specifically Archaeological Sites, and is one of several reports that will be used in support of the evaluation of practical alternatives and the selection of the technically and environmentally preferred alternative. This report will form a part of the environmental assessment documentation for this study.

Additional documentation pertaining to the evaluation of practical alternatives is available for viewing/downloading at the study website ([www.partnershipborderstudy.com](http://www.partnershipborderstudy.com)).

# Practical Alternatives Evaluation Working Paper Archaeology

## Table of Contents

<b>1.</b>	<b>Introduction</b> .....	<b>1</b>
1.1	Background .....	1
1.2	Purpose and Scope .....	2
<b>2.</b>	<b>Data Collection</b> .....	<b>4</b>
2.1	Stage 1: Background Research .....	4
2.1.1	Criteria Used in the Archaeological Potential Model for the Stage 1 archaeological assessment Area .....	4
2.1.2	Summary of Archaeological Site Potential for the Area of Continued Analysis .....	5
2.2	Stage 2: Property Assessment .....	8
2.2.1	Methods for Stage 2 archaeological assessment .....	8
2.2.2	Survey Priorities for Stage 2 archaeological assessment .....	8
2.2.3	Data Collection – Access Roads .....	11
2.2.4	Data Collection – Plazas and Crossings .....	20
<b>3.</b>	<b>Data Analysis</b> .....	<b>26</b>
3.1	Aboriginal sites .....	26
3.2	Euro-Canadian Sites .....	26
3.3	Data Analysis – Plazas and Crossings .....	31
<b>4.</b>	<b>Evaluation of Alternatives</b> .....	<b>33</b>
4.1	Preliminary Evaluation – Access Road .....	34
4.2	Preliminary Evaluation – Crossings and Plazas .....	35
<b>5.0</b>	<b>Further Work Required</b> .....	<b>44</b>
5.1	Priority 2 and 3 Properties without Permission to Enter (PTE) within the TEPA .....	44
5.2	Priority 4 and 5 Properties within the TEPA .....	44
5.3	Stage 3 archaeological assessment within the TEPA .....	44
<b>6.</b>	<b>References</b> .....	<b>67</b>

**List of Exhibits**

Exhibit 1.	Key Plan of the Area of Continued Analysis .....	3
Exhibit 2.	Archaeological Site Potential for the Key Plan of the Area of Investigation .....	7
Exhibit 3.	Priority 1 through 5 Lands Identified for Stage 2 archaeological assessment .....	10
Exhibit 4	Priority 1 Lands Assessed by Map Location .....	12
Exhibit 5A-D	Priority 2 Lands Assessed by Map Location .....	13-16
Exhibit 6A-D	Priority 3 Lands Assessed by Map Location .....	17-19
Exhibit 7	Location of 1749 Petite Côte French Settlement in Relation to Areas Defined as having no Potential .....	22
Exhibit 8	Excerpt of 1877 Walling Atlas with Western Portion of Area of Investigation.....	23
Exhibit 9	Excerpt of 1905 McPhillips Map with Western Portion of Area of Investigation .....	24
Exhibit 10	Excerpt of 1967 Pathfinder Metro Windsor Map with Western Portion of Area of Investigation .....	25
Exhibit 11	General Location of Archaeological Sites Recovered in Stage 2 Archaeological Assessment.....	28
Exhibit 12	Belden 1881 East and west Sandwich Historical atlas with Land Use History of Lots Outlined.....	30
Exhibit 13	Integrity of Priority 4 and 5 Lands based on Stage 1 archaeological assessment .....	32
Exhibit 14	Crossing A to Plaza A .....	38
Exhibit 15	Crossing B to Plaza A .....	39
Exhibit 16	Crossing C to Plaza A.....	40
Exhibit 17	Crossing C to Plaza B.....	41
Exhibit 18	Crossing B to Plaza B1 .....	42
Exhibit 19	Crossing C to Plaza C.....	43
Exhibit 20	Priority 4 and 5 Lands that Require a Stage 2 archaeological assessment .....	46

**List of Tables**

Table 1.	Archaeological Sites Identified in Stage 2 assessment.....	29
Table 2	Evaluation Summary of Access Road Alternatives .....	36
Table 3	Evaluation Summary of Plaza/Crossing Alternatives .....	37
Table 3.	Summary of Archaeological Assessment for Plaza Options .....	37

**List of Appendices**

Appendix A:	Survey Coverage by Priority <b>NOT FOR PUBLIC DISPLAY</b>
Appendix B:	Survey Documentation – Field Photography
Appendix C:	Site Descriptions <b>NOT FOR PUBLIC DISPLAY</b>
Appendix C:	Survey Documentation – Survey Unit Summaries
Appendix E:	Evaluation Matrices

# 1. INTRODUCTION

## 1.1 Background

The Canada-U.S. – Ontario-Michigan Border Transportation Partnership includes the transportation authorities from two federal governments and two provincial/state governments. The Federal Highway Administration (FHWA) and Transport Canada (TC) represent federal levels of government, while the Ontario Ministry of Transportation (MTO) and the Michigan Department of Transportation (MDOT) are the provincial and state agencies with roadway jurisdictions on each side of the border. The purpose of the Partnership is to improve the movement of people, goods, and services across the United States and Canada border within the region of Southeast Michigan and Southwestern Ontario.

This international transportation improvement project will require approvals from governments on both sides of the border. The Partnership has developed a coordinated process that will enable the joint selection of a recommended crossing location that meets the requirements of Canadian Environmental Assessment Act (CEAA), Ontario Environmental Assessment Act (OEAA), and National Environmental Policy Act (NEPA).

In accordance with the requirements of the CEAA, any change a project may cause in the environment and any such change's effects on, among other things, cultural heritage and structures, sites, or things of archaeological significance, must be considered together with an evaluation of the significance of these effects (*Canadian Environmental Assessment Act*, S.C. 1992, c.7, s.2 and s.16).

In accordance with the requirements of the OEAA, a description of the environment that may be effected by an undertaking must be prepared (*Environmental Assessment Act*, R.S.O. 1990, c.E.18, s.6.1) with the understanding that the environment includes, among other things, "the social, economic and cultural conditions that influence the life of humans or a community, ...any building, structure, machine or other device or thing made by humans,...[and] any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities..." (*Environmental Assessment Act*, R.S.O. 1990, c.E.18, s.1). Together with this description of the environment, there must be descriptions of, among other things, the effects that might reasonably be caused and the actions that may be necessary to prevent, change, mitigate, or remedy these effects (*Environmental Assessment Act*, R.S.O. 1990, c.E.18, s.6.1).

In accordance with the policies of both Canada and Ontario, archaeological resources are considered to be aspects of the environment, the effects on which must be evaluated in fulfillment of the requirements of the CEAA and the OEAA. The Government of Ontario has also recognized the importance of conserving Ontario's archaeological resources in the *Ontario Heritage Act*, the *Planning Act*, the 2005 *Provincial Policy Statement* (providing "...policy direction on matters of provincial interest related to land use planning and development" [MMAH 2005: 1] pursuant to the *Planning Act*), and other documents. As well, several local governments in the Windsor area have officially recognized the desire to

properly manage archaeological resources, and to ensure that archaeological concerns are addressed during the planning stages of development projects.

Archaeological assessment activities during planning, design, construction, and operation/maintenance of the Detroit River International Crossing (DRIC) must conform to the legislation and policies—provincial and federal, as applicable—governing cultural heritage preservation and archaeological assessment/excavation in Ontario, and must be undertaken in accordance with the technical guidelines and requirements for archaeological assessment set out by the Ontario Ministry of Culture (MCL) (Standards and Guidelines for Consulting Archaeologists; MCL 2006).

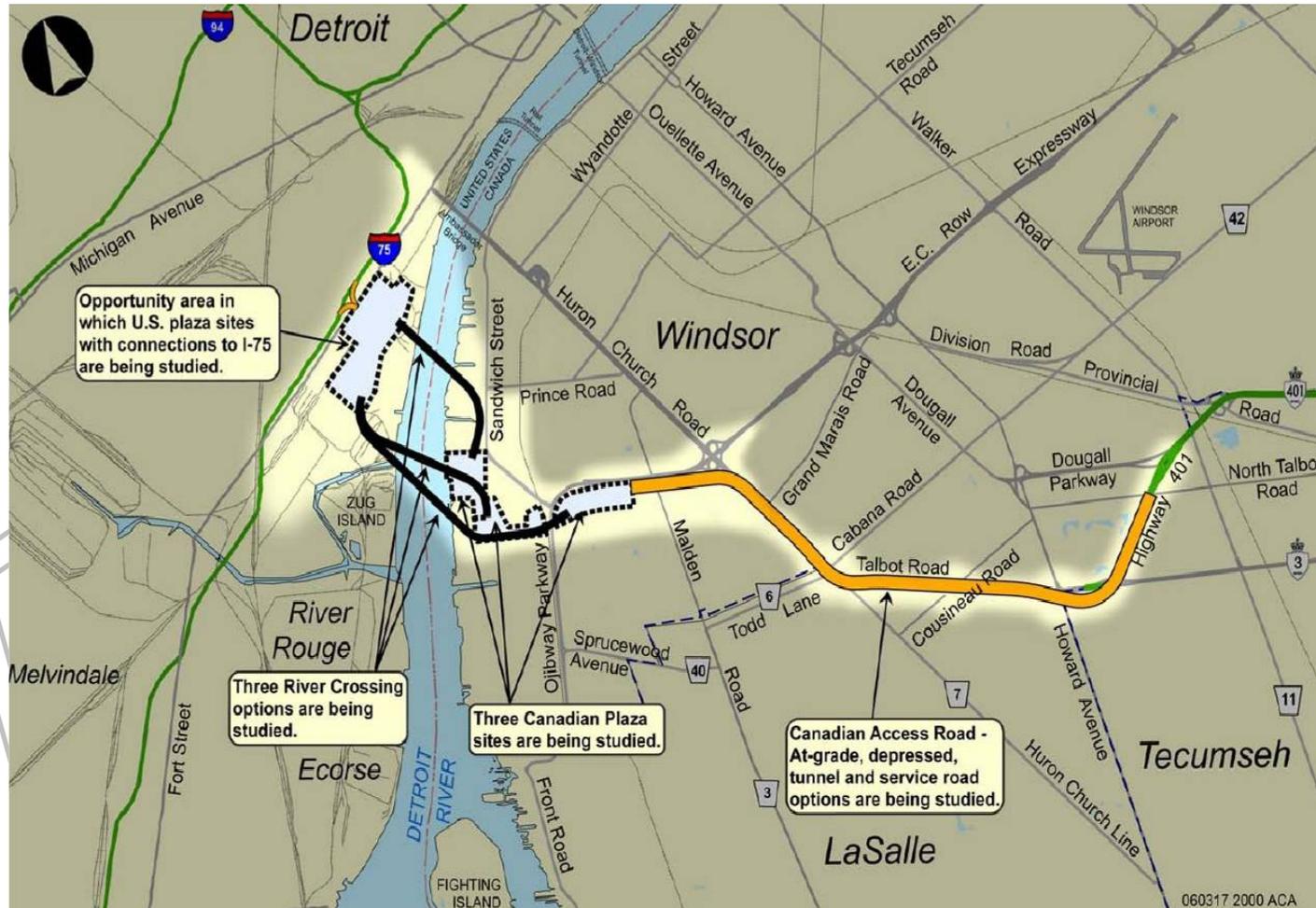
## 1.2 Purpose and Scope

Archaeological Services Inc. (ASI) was contracted by URS Canada Inc., Markham, to conduct an Archaeological Impact Assessment for the Detroit River International Crossing Study.

This archaeological assessment is being conducted under the project direction of Mr. Robert Pihl and Dr. Carla Parslow, ASI, under an archaeological licence (P057) issued to Mr. Pihl. This report was prepared by Dr. Carla Parslow (P243) and Robert Pihl with historical research undertaken by Dr. Colin McFarguhar, analysis and interpretation of historic artifacts by Ms. Eva MacDonald (P125), Stage 1 fieldwork conducted by Mr. Peter Carruthers (P163), and Stage 2 fieldwork directed by Dr. Tom Arnold (P006), Dr. Michael Brand (P160), Dr. Carla Parslow (P243), and Ms. Aleksandra Pradzynski (R190) and supported by ten qualified field technicians. All artifact processing was undertaken in ASI's laboratory in Toronto.

This report presents the results of background research conducted within lands on the Canadian side of the Detroit river area as a whole (the Focused Analysis Area). It then describes the results of an intensive field investigation within significant portions of the Area of Continued Analysis (Exhibit 1). It finally provides an inventory of archaeological resources discovered within the properties assessed within the Area of Investigation.

EXHIBIT 1. KEY PLAN OF THE AREA OF CONTINUED ANALYSIS



## 2. DATA COLLECTION

The evaluation of archaeological resources undergoes up to four phases of study: Stage 1—Background Research, Stage 2—Property Assessment, Stage 3—Site Assessment, and Stage 4—Site Mitigation (MCL 2006). To date, ASI has completed for the DRIC Study a Stage 1 archaeological assessment—existing conditions report (ASI 2005a), a Stage 1 archaeological assessment report for the Area of Continued Analysis (ASI 2006), and is currently undertaking a Stage 2 archaeological assessment within a more refined Area of Investigation.

### 2.1 Stage 1: Background Research

The Stage 1 archaeological assessment involves detailed documentary research of the archaeological and land use history of an area under investigation. This assessment also includes an inspection visit to the area to gain first hand knowledge of the area's geography, topography, and current conditions. Considered together, this information is employed to determine and map the potential for archaeological resources within the study area. The objective of the Stage 1 archaeological assessment is to evaluate the potential for archaeological remains within the Area of Continued Analysis.

#### 2.1.1 Criteria Used in the Archaeological Potential Model for the Stage 1 archaeological assessment Area

Based on the MCL's criteria for determining archaeological potential (MCL 2006), the following areas are considered to have archaeological site potential, but these areas must be field reviewed to determine the integrity of the lands:

##### **For Pre-Contact and Contact Aboriginal Archaeological Sites**

- areas within 250 metres of a known archaeological site, where location information for the site is relatively precise;
- for sites with relatively imprecise location information, the area wherein such sites are likely to be located based on available descriptive information;
- areas within 300 meters of a primary water source such as a lakeshore, river, or large creek;
- areas within 300 metres of an ancient water source such a glacial shoreline, relict beach features, or a former watercourse as shown on historic mapping;
- areas within 200 metres of a secondary water source such as a stream, spring, wetland, swale, or drain;
- areas within 200 metres of the edge of the Ojibway Prairie;

### For Euro-Canadian Archaeological Sites

- areas within 250 metres of a known archaeological site, where location information for the site is relatively precise;
- for sites with relatively imprecise location information, the area wherein such sites are likely to be located based on available descriptive information;
- designated heritage properties and easements;
- cemeteries
- core settlement areas (towns, villages) where it is possible to make a reliable determination based on analysis of period maps;
- areas within 100 metres of the centreline of existing roadways that follow the approximate alignment of historic roadways, or within 100 metres of the approximate alignment of no-longer-extant roadway corridors as determined by period map examination;
- areas within 250 metres of the likely location of historic features (dwellings, mills, churches, cemeteries, etc.) as shown on more precise period maps.

## 2.1.2

### Summary of Archaeological Site Potential for the Area of Continued Analysis

Stage 1 archaeological assessment of the Area of Continued Analysis confirmed the presence of ten archaeological sites registered with the Province of Ontario, together with nine unregistered archaeological sites of relatively certain location but of uncertain nature, and two unregistered burial sites, the exact location of which are not known but for which a larger location area can be defined (ASI 2006). In addition, several unregistered archaeological sites of uncertain location, including burial sites, have been listed.

A ranking has been assigned to archaeological sites of known location, in order to provide a preliminary indication of site significance. The highest rank—Rank 1 (out of four)—indicates that the site is either a burial site or a site of national heritage significance. Four such sites—all burial sites—have been identified in the study area, including two sites for which the exact locations are unknown but for which larger areas of location can be defined. The Rank 1 sites are: the Lucier site (AbHs-1), the E. C. ROW site (AbHs-7), an area west of Maplewood Drive and north of Sprucewood Avenue wherein a Euro-Canadian burial site was identified, and the block bounded by Russell, Chippawa, Sandwich, and Brock Streets, wherein a burial was identified. As well, there may be a cemetery of unknown location associated with the Sandwich First Baptist Church on Peter Street at Prince Road, in the northwestern corner of the Area of Continued Analysis.

Field review determined that, within a large proportion of the assessment area, there will be an increased likelihood of localized areas of no archaeological potential due to intensive and extensive modern alteration of the landscape. Conversely, large portions of the Area of Continued Analysis, especially west of Huron Church Line in the Ojibway Prairie Complex area, have been characterized as predominantly unaltered landscapes. In these areas, the model of archaeological potential presented in this report can be considered a more robust predictor of the presence of significant archaeological

resources. It must be stressed, however, that certain alterations such as filling may result in deep burial of archaeological sites rather than in damage to site integrity. As well, regardless of site integrity, the presence of human remains on an archaeological site is a matter of special significance and sensitivity.

As a result of the findings of this Stage 1 archaeological assessment, it was recommended to the DRIC consultant team, to The Partnership, to the affected municipalities, and to MCL, that potential impacts to archaeological resources be considered at each stage of alternatives selection, evaluation, and design during this environmental assessment, in accordance with the accepted Terms of Reference and MCL guidelines (MCL 2006).

Furthermore, the typical recommendations that are generated as a result of a Stage 1 archaeological assessment, when archaeological potential is confirmed within a study area, are applicable to this project and are as follows:

- 1) Prior to any proposed disturbance within areas of archaeological site potential, a Stage 2 archaeological assessment should be conducted in accordance with Ontario Ministry of Culture guidelines, in order to identify any archaeological resources that may be present within the study area limits. Exhibit 2 illustrates the areas of archaeological site potential identified in the Stage 1 archaeological assessment for the initial Area of Continued Analysis (ASI 2006).
- 2) Should deeply buried archaeological remains be found during construction activities, the Heritage Operations Unit of the Ministry of Culture should be notified immediately.
- 3) In the event that human remains are encountered during construction, the proponent should immediately contact both the Ontario Ministry of Culture, and the Registrar or Deputy Registrar of the Cemeteries Regulation Unit of the Ontario Ministry of Consumer and Business Service, Consumer Protection Branch at (416) 326-8404 or toll-free at 1-800-889-9768.

EXHIBIT 2. ARCHAEOLOGICAL SITE POTENTIAL WITHIN THE AREA OF INVESTIGATION



## 2.2 Stage 2: Property Assessment

This is a critical stage during the evaluation of archaeological resources as it provides an intensive examination of lands within the Area of Investigation (see Exhibit 2) as well as a preliminary determination of whether any of the resources identified might be of cultural heritage value or interest. (MCL 2006: Unit 1D: 2)

### 2.2.1 Methods for Stage 2 archaeological assessment

The Stage 2 archaeological assessment consists of the systematic field investigation of areas determined to have archaeological potential. This assessment was conducted on properties in these areas of interest impacted by or in proximity to the practical alternatives. This assessment involves the documentation and inventory of archaeological resources within those areas. Field methodology involves two types of survey: pedestrian and test pit.

**Pedestrian survey** is conducted on lands with open surface visibility (e.g. lands that are ploughed or with open, immature crops), and it involves the location, mapping and collecting of artifacts observed on the surface.

**Test pit survey** is conducted on lands with closed surface visibility (e.g. scrub farmland, windrows, lands within forest or valley floor, or with dense, mature crop), and it involves the location, mapping and collection of artifacts by test pitting using hand shovels.

### 2.2.2 Survey Priorities for Stage 2 archaeological assessment

The lands subject to archaeological assessment have been assigned survey priorities (Priorities 1 to 5, with 1 being the highest). The survey priorities are based on expert judgment with respect to potential for the presence of archaeological sites, the need to identify significant sites as soon as possible in areas common to all alternatives, and the need to gather sufficient information to contribute meaningfully to the evaluation of practical alternatives with respect to potential impact to archaeological sites and areas of archaeological potential.

The survey priority levels were based on the following assumptions:

- 1) No assessment will be done north of the E.C. Row ROW, north of Chappus Street to the west of Ojibway Parkway, or west of Sandwich Street until further research has been conducted into development history;
- 2) Areas of very significant archaeological sites (i.e., the Huron Church Line / E.C. Row intersection) should be examined first;
- 3) Areas where timing is a factor must be bumped up in priority where appropriate;
- 4) Certain types of Aboriginal archaeological sites could take significant time to address properly, or could present a significant challenge to the siting of proposed infrastructure;

- 5) Areas where there is no real choice of alternatives—i.e., areas common to all alternatives—should be assessed as soon as possible to provide the maximum time window for addressing any sites that may be identified;
- 6) In light of Assumptions 4 and 5, it can be assumed that lands with potential for the presence of Aboriginal archaeological sites, in areas relatively common to all alternatives, must be reviewed as soon as possible to find any sites that may be present;
- 7) Areas that represent the real choice between practical alternatives (e.g., plazas and crossings) should be tested prior to the selection of the technically preferred alternative; and
- 8) Areas wherein there is a potentially wide range of possible routings (i.e., connections to existing routes at the eastern end of the Area of Investigation) would be best assessed prior to the start of Concept Design, in order to allow for any minor design changes that may be necessitated by the identification of a significant archaeological site.

Based on these assumptions, a 5-step priority scale was applied to the properties. The priority areas were divided based on expert judgment rather than on a rigid definition of each level of the scale.

**Priority 1** lands are those lands in close proximity to the E.C. ROW and Lucier sites at the intersection of Huron Church and E.C. Row, as well as two large ploughed properties at the 401 which, during the summer of 2006, were at optimum surface conditions (minimal crop growth) for pedestrian survey.

**Priority 2** lands are lands with potential for the presence of pre-contact archaeological sites in core areas common to all alternatives.

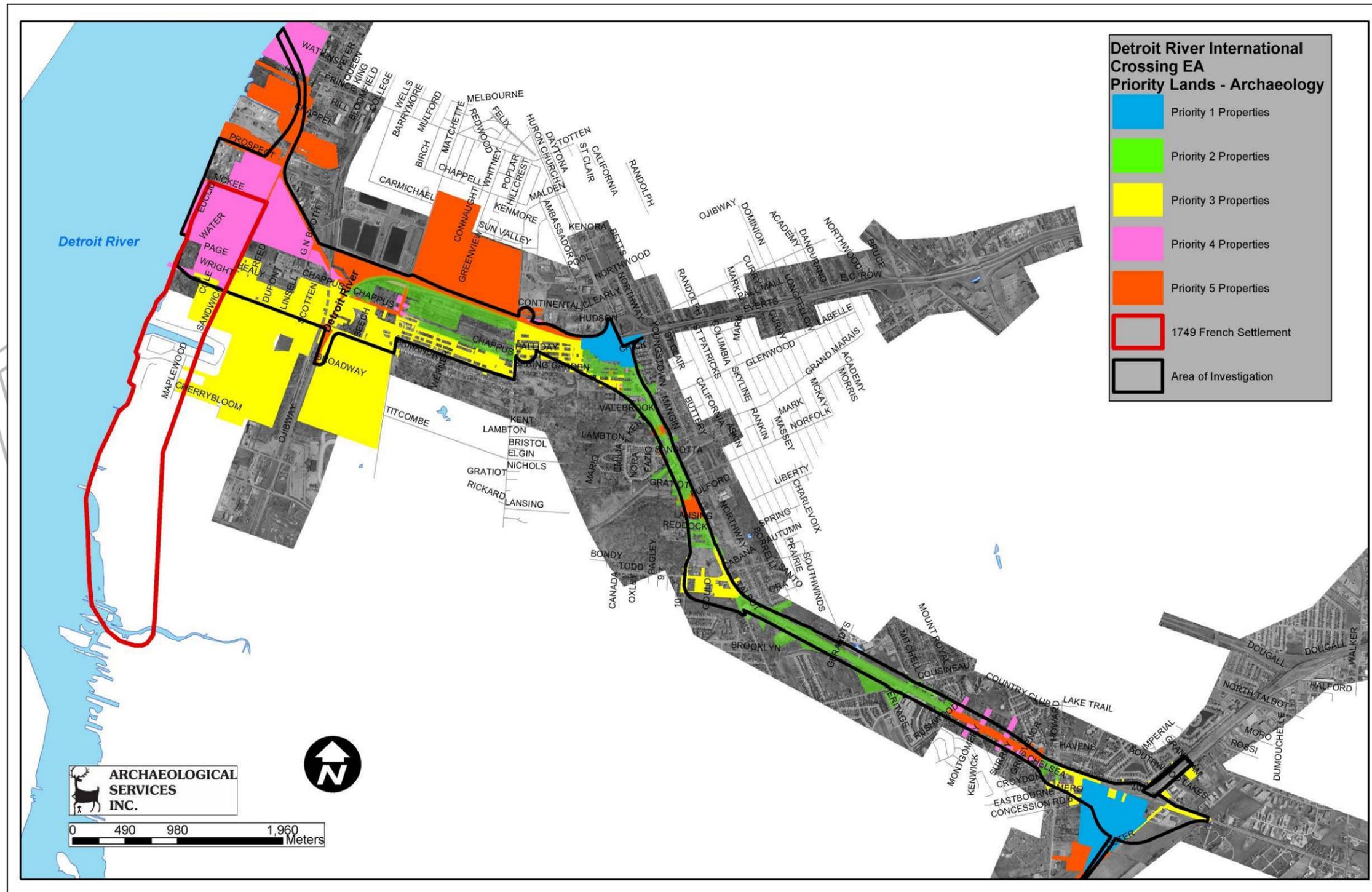
**Priority 3** lands are those lands which can be surveyed without further prior research and which will enable archaeology to be considered meaningfully during the comparative evaluation of practical alternatives (i.e., areas that represent the real choice between practical alternatives).

**Priority 4** lands are generally located in the western portion of the area of investigation, plaza and crossing areas which require additional background historical/map research prior to the start of field survey, due to the long history and intensive land use of the properties. In the eastern portion of the area of investigation, Priority 4 lands were identified that have a potentially higher likelihood of site integrity (relative to Priority 5) that were not assigned to Priority 1, 2, or 3.

**Priority 5** lands are, for the most part, those with a lower potential for archaeological site integrity, together with some additional marginal lands in the eastern portion of the area of investigation.

Exhibit 3 illustrates the locations of Priority 1 through 5 lands in the Area of Investigation

EXHIBIT 3. PRIORITY 1 THROUGH 5 LANDS IDENTIFIED FOR STAGE 2 ARCHAEOLOGICAL ASSESSMENT



### 2.2.3

#### Data Collection – Access Roads

To date, 100% of all Priority 1 lands in the Area of Investigation have been assessed. There are no outstanding properties that require permission to enter (PTE) for Priority 1. Exhibit 4 illustrates the location of Priority 1 lands divided into areas of survey, or maps as well as the method of survey (see Appendix A for survey area maps and Appendix B for representative photographs of field conditions within the various survey areas).

One hundred percent of all Priority 2 lands with PTE have been surveyed. Of the remaining Priority 2 lands identified, PTE has either not been granted or the PTE form was not returned. The areas where PTE has not been given amount to 40% of the total lands scheduled as Priority 2. Exhibits 5A through 5D illustrate the total area of Priority 2 lands assessed and by the method of survey.

Ninety-eight percent of all Priority 3 lands with PTE have been surveyed. Of the remaining Priority 3 lands identified, PTE has either not been granted or the PTE form was not returned. These areas where PTE has not been given amount to 25% of the total lands scheduled as Priority 3. Exhibits 6A through 6D illustrate the total area of Priority 2 lands assessed and by the method of survey.

Appendix A contains a series of maps illustrating the location of all Priority 1-3 lands assessed within the Area of Investigation during the 2006 field season. The maps are arranged by survey priority, and each depicts the location of the survey areas assessed and by which survey methodology, the location of all archaeological sites discovered, and the location and orientation of representative field photographs taken during the survey.

Appendix B includes the representative field photographs illustrated in Exhibits 4 through 6. The photographs are arranged by survey priority and map sequence.

Appendix C includes the summarized results of each survey unit. Results are arranged by survey priority and map sequence.

It should be noted that the field assessment of Priority 4 and 5 properties within the Area of Investigation were not included in the 2006 archaeological data collection activities: these lands have not yet been assessed in the field. Any impact assessment discussion of these lands in this report is based on additional research undertaken to better identify potential impacts and areas of field investigation.

EXHIBIT 4 PRIORITY 1 LANDS ASSESSED BY MAP LOCATION



EXHIBIT 5A THROUGH 5D. PRIORITY 2 LANDS ASSESSED BY MAP LOCATION (5A)

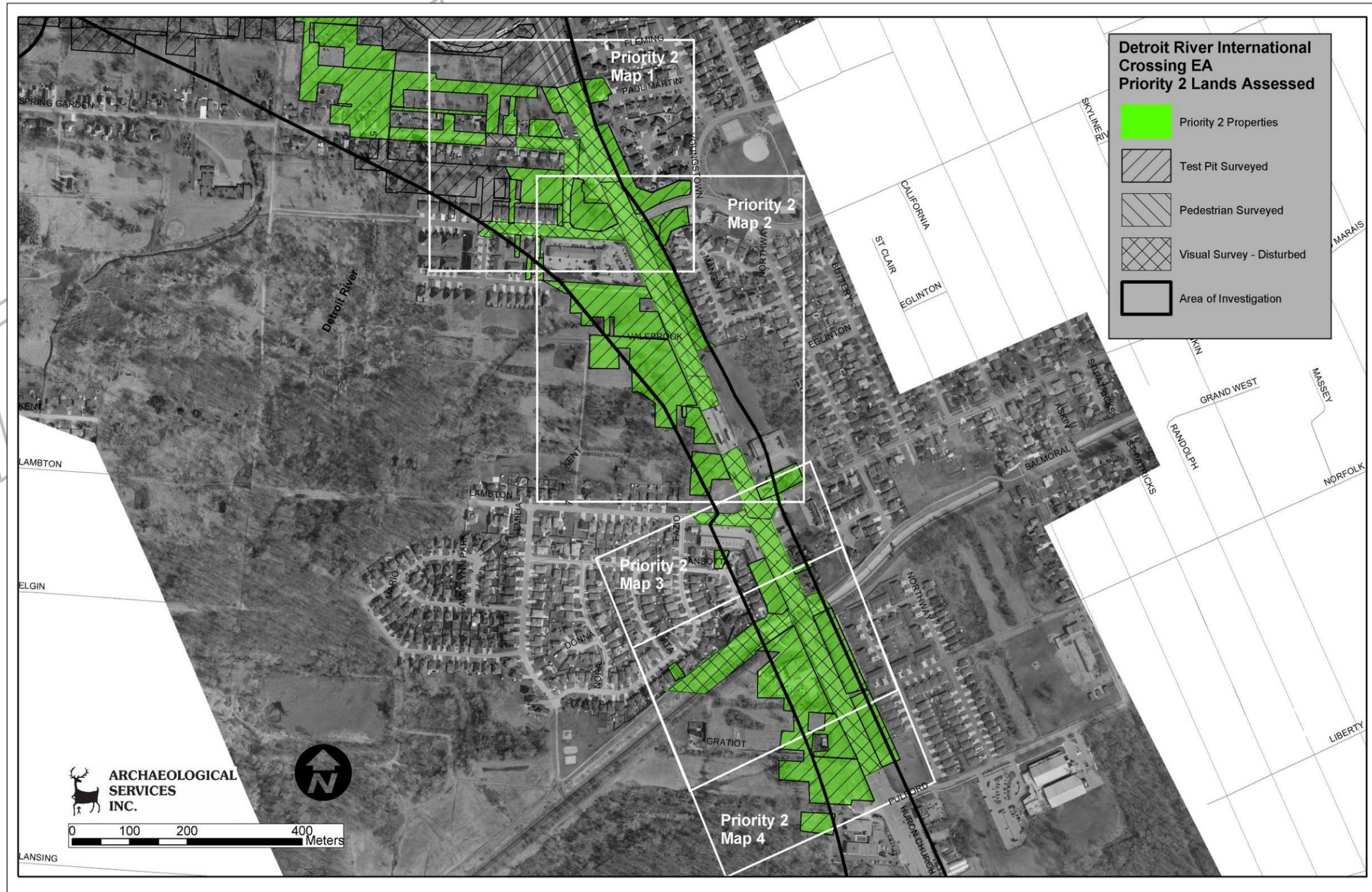


EXHIBIT 5A THROUGH 5D. PRIORITY 2 LANDS ASSESSED BY MAP LOCATION (5B)

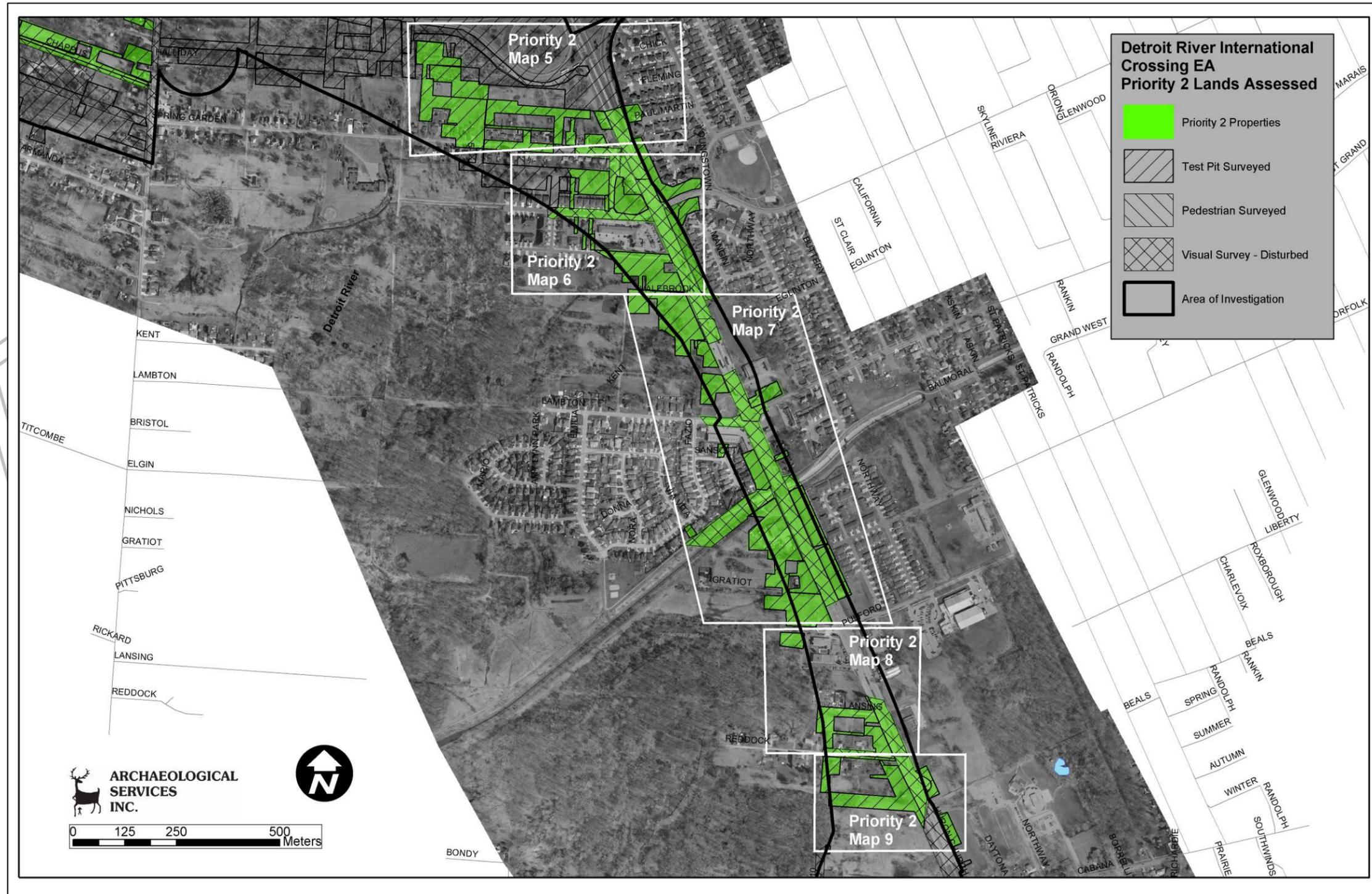


EXHIBIT 5A THROUGH 5D. PRIORITY 2 LANDS ASSESSED BY MAP LOCATION (5C)

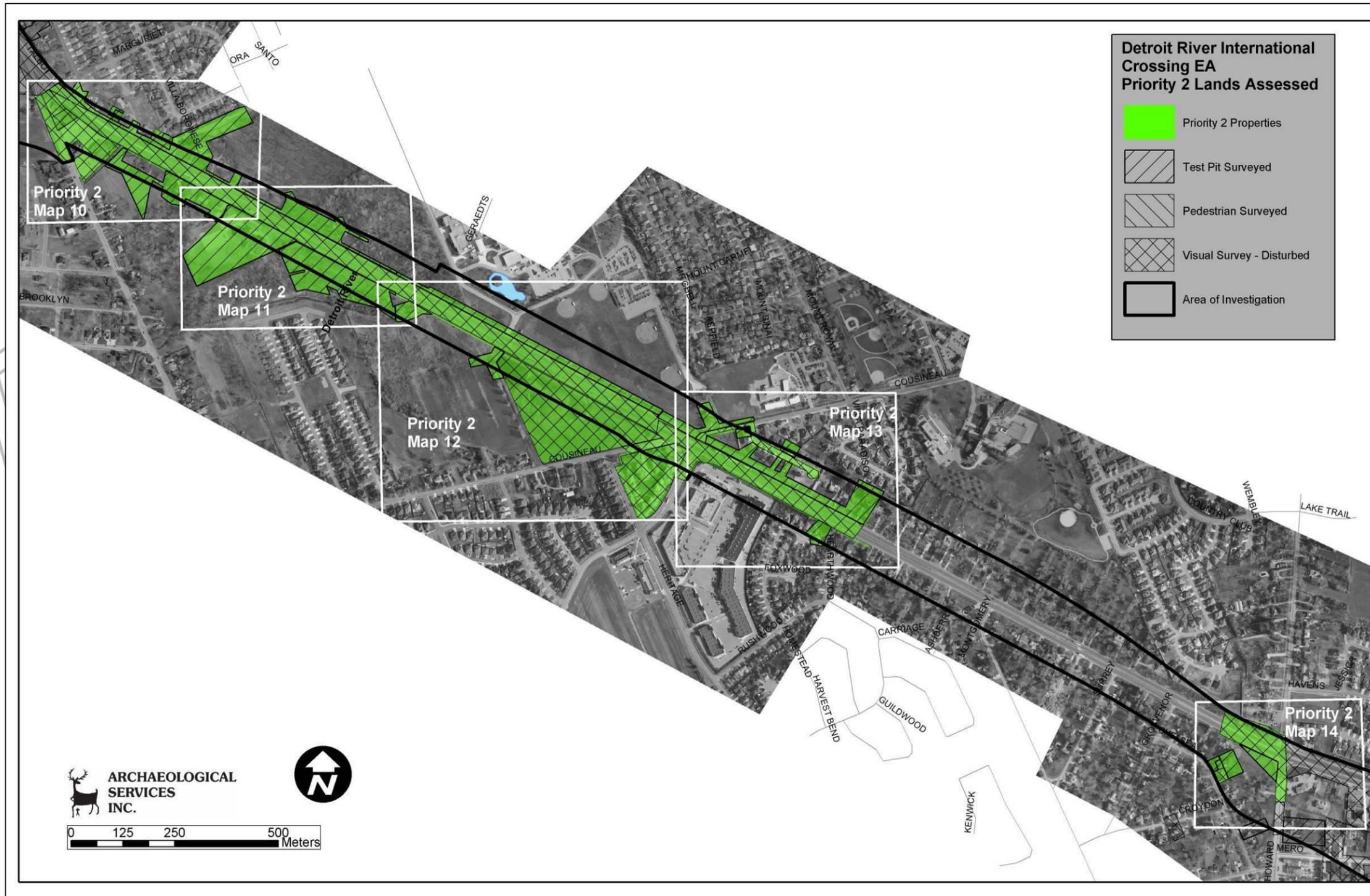


EXHIBIT 5A THROUGH 5D. PRIORITY 2 LANDS ASSESSED BY MAP LOCATION (5D)

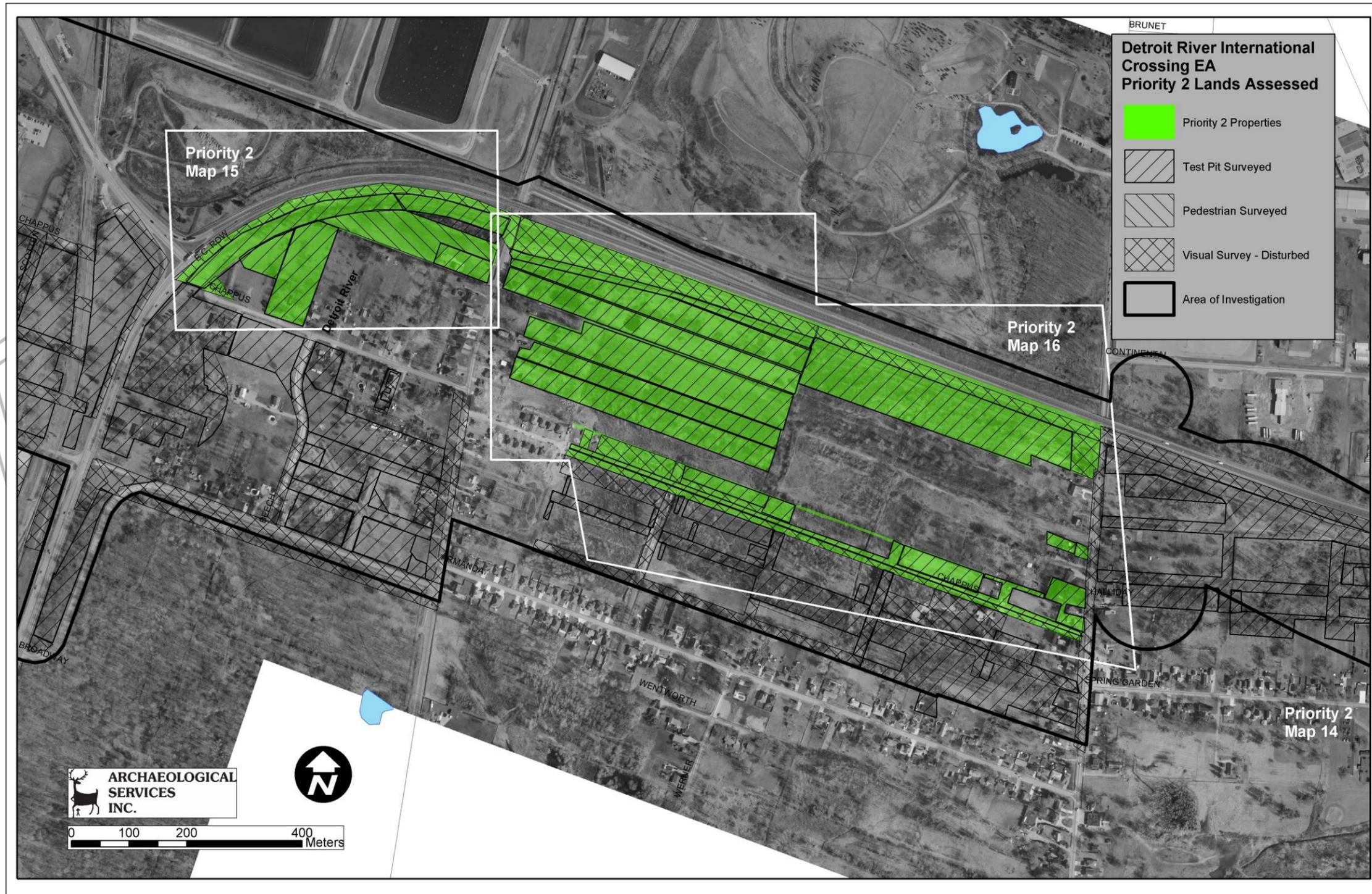


EXHIBIT 6A THROUGH 6D. PRIORITY 3 LANDS ASSESSED BY MAP LOCATION (6A)

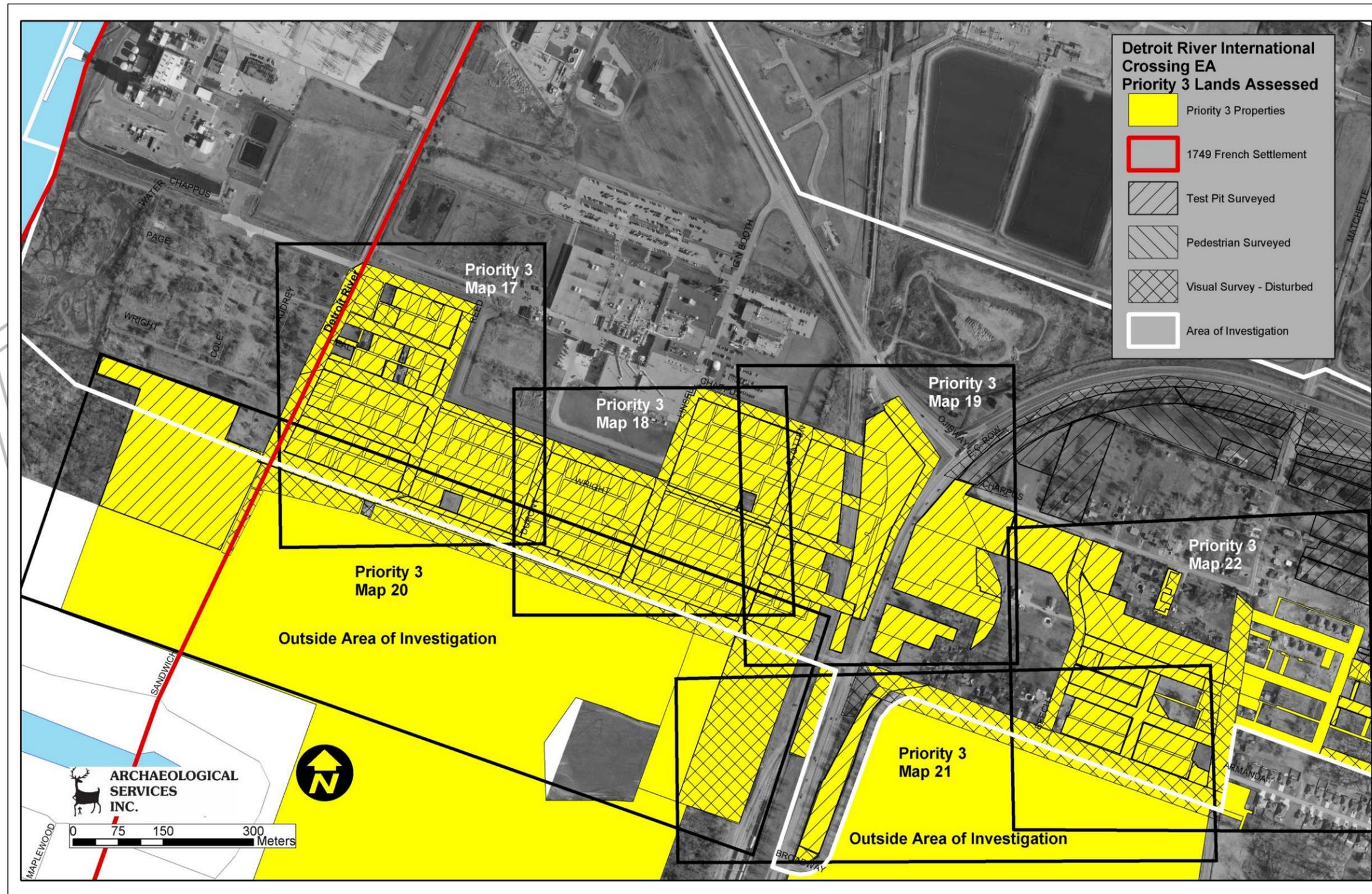


EXHIBIT 6A THROUGH 6D. PRIORITY 3 LANDS ASSESSED BY MAP LOCATION (6B)

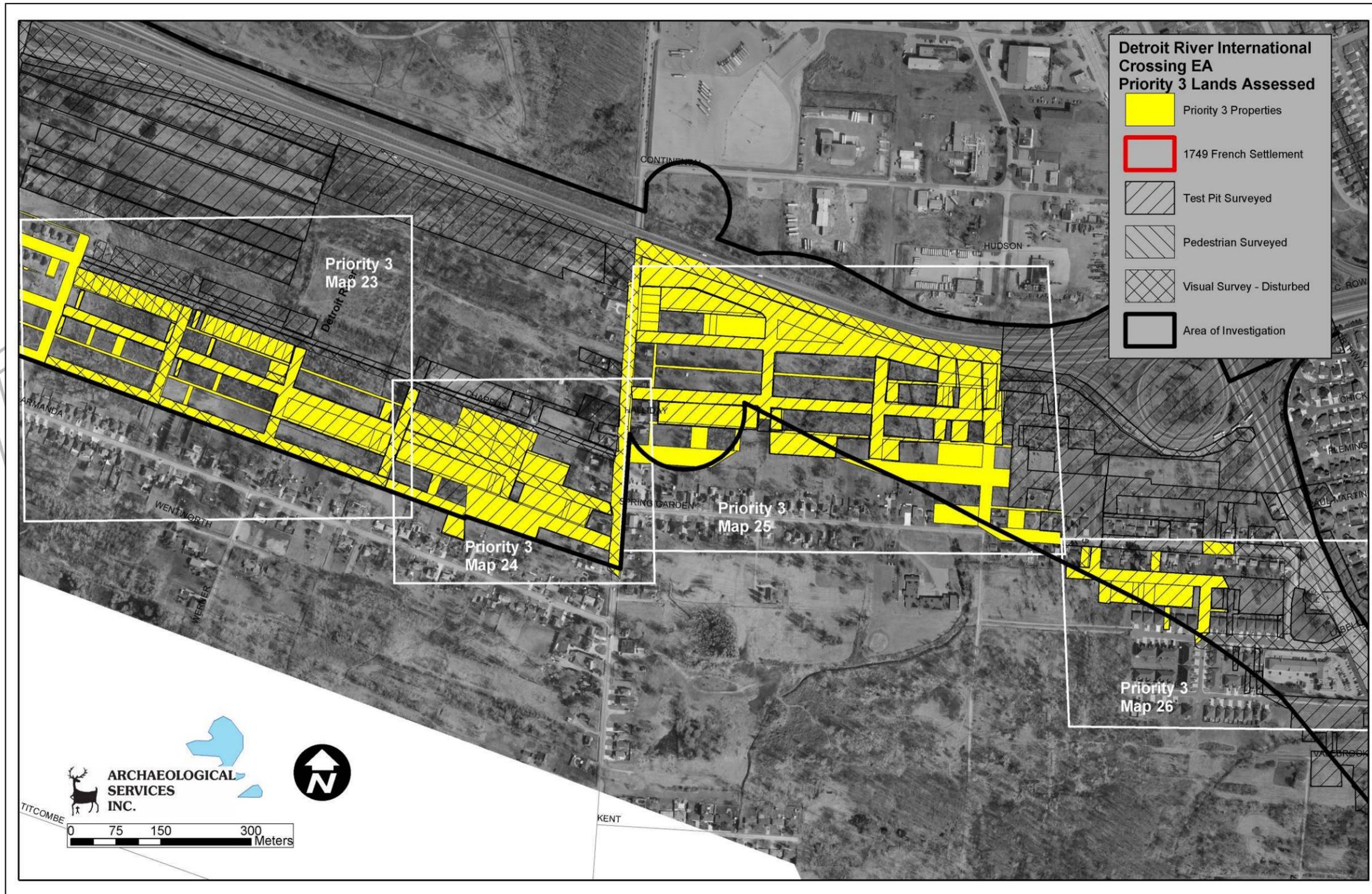


EXHIBIT 6A THROUGH 6D. PRIORITY 3 LANDS ASSESSED BY MAP LOCATION (6C)



## 2.2.4

## Data Collection – Plazas and Crossings

To date, a Stage 2 archaeological assessment has been conducted on approximately 30% of all lands within the Area of Investigation where plaza and crossing alternatives are located. Those areas that remain to be assessed are on Priority 4 and 5 lands. As discussed in section 2.2.2, Priority 4 lands are primarily located in the western portion of the Area of Investigation, and these require additional background historical and map research prior to the start of field survey to establish archaeological site integrity due to the long and complex history of intensive settlement and land use of the properties. Priority 5 lands in this area, however, have a previously established lower potential for archaeological site integrity and also include some marginal lands in the eastern portion of the Area of Investigation.

Non-field investigation of Priority 4 and 5 lands in the western portion of the Area of Investigation have included a review of the historical information available and a further review of the City of Windsor Archaeological Master Plan (CRMGL 2005). Historical information reveals that the shore of the Detroit River has a long history of human occupation. Euro-Canadian occupational history is well documented from the mid-18<sup>th</sup> century to present times.

The first detailed French map of the south (Ontario) shore was not produced until the mid-18<sup>th</sup> century. Entitled "*Carte de la Riviere Du Detroit*", this map was published by Chaussegros De Lery in Paris in 1749. It showed the first "nouvelle habitation française de 1749" with the land divided along the river into the long, narrow "seigneurial" allotments characteristic of the French *ancien regime*. A few farms were somewhat larger, such as the tract of 12 arpans in width occupied by Mr. Le Chevalier de Longueuil. The main area of the "nouvelle habitation" was situated along the Detroit River south of the area that would later become the old town of Sandwich. This area was known as Petite Côte.

According to the City of Windsor Archaeological Master Plan (CRMGL 2005:2-16), "European settlement on the south shore of the Detroit River began in 1749 when the governor at Quebec sponsored the movement of farming families to the area in order to promote Detroit as a granary for more distant outposts." The settlers initially took up lots fronted onto the river in the Petite Côte area between the communities of Sandwich and Turkey Creek. Within a few years, this settlement had extended south well past Turkey Creek.

After the British Conquest of 1760 and after the American Revolutionary War, British names began to appear on landowners lists of the circa 1800 survey. Not until the 19<sup>th</sup> century were the inland areas of the township surveyed, using the standard British grid system where possible.

According to the City of Windsor Archaeological Master Plan (CRMGL 2005:2-17), although most of the French farmstead sites lie within areas that have undergone extensive 19<sup>th</sup> century development, none of them have ever been properly examined as archaeological sites. Furthermore, communities such as Brighton Beach, Ojibway and LaSalle may retain the most potential. As Windsor's French settlement is the earliest of its kind in Ontario, the search for intact 18<sup>th</sup> century French sites, which may include the remains of building footings, foundations, and the remnants of palisades, is of potentially significant heritage value and interest.

Exhibit 7 illustrates the location of the 18<sup>th</sup> century French Settlement in relation to the Area of Investigation, the identified Priority 2, 3, 4 and 5 lands, Priority 2 and 3 lands that have been assessed in relation to the general location of the plaza and crossing alternatives, and areas

identified by ASI as having no potential due to disturbance. In addition, a series of later historical maps (1877 Walling Historical Atlas; the 1905 McPhillips City of Windsor Map; and the 1967 Pathfinder, Metropolitan Windsor Map) are used to illustrate the changing landscape from the 1870s to 1960s within Priority 4 and 5 lands in the western portion of the Area of Investigation (Exhibits 8 – 10).

DRAFT

EXHIBIT 7: LOCATION OF 1749 PETITE CÔTE FRENCH SETTLEMENT IN RELATION TO AREAS DEFINED AS HAVING NO POTENTIAL IN THE PLAZA AND CROSSING ALTERNATIVE LOCATIONS

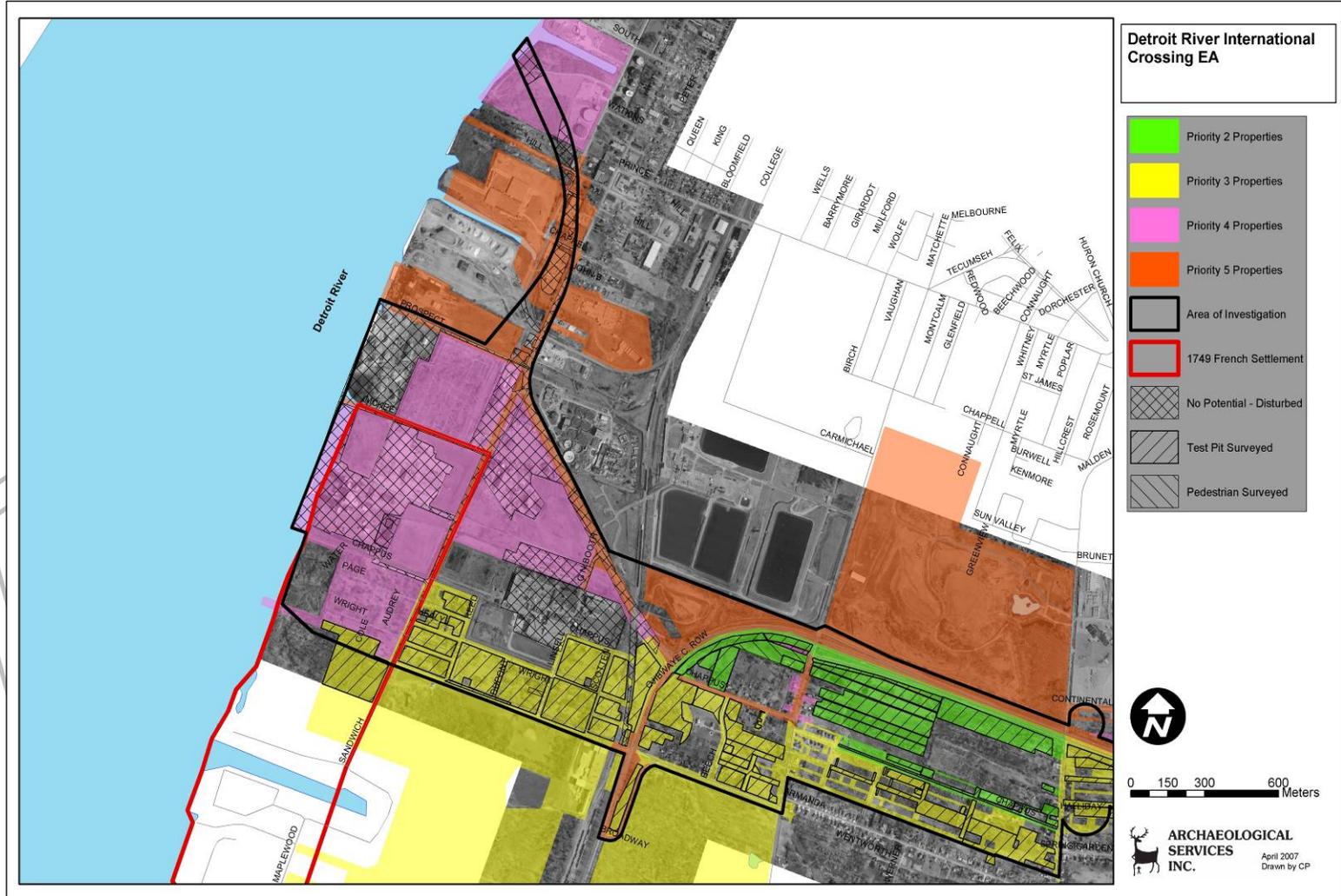


EXHIBIT 8. EXCERPT OF 1877 WALLING ATLAS WITH WESTERN PORTION OF AREA OF INVESTIGATION

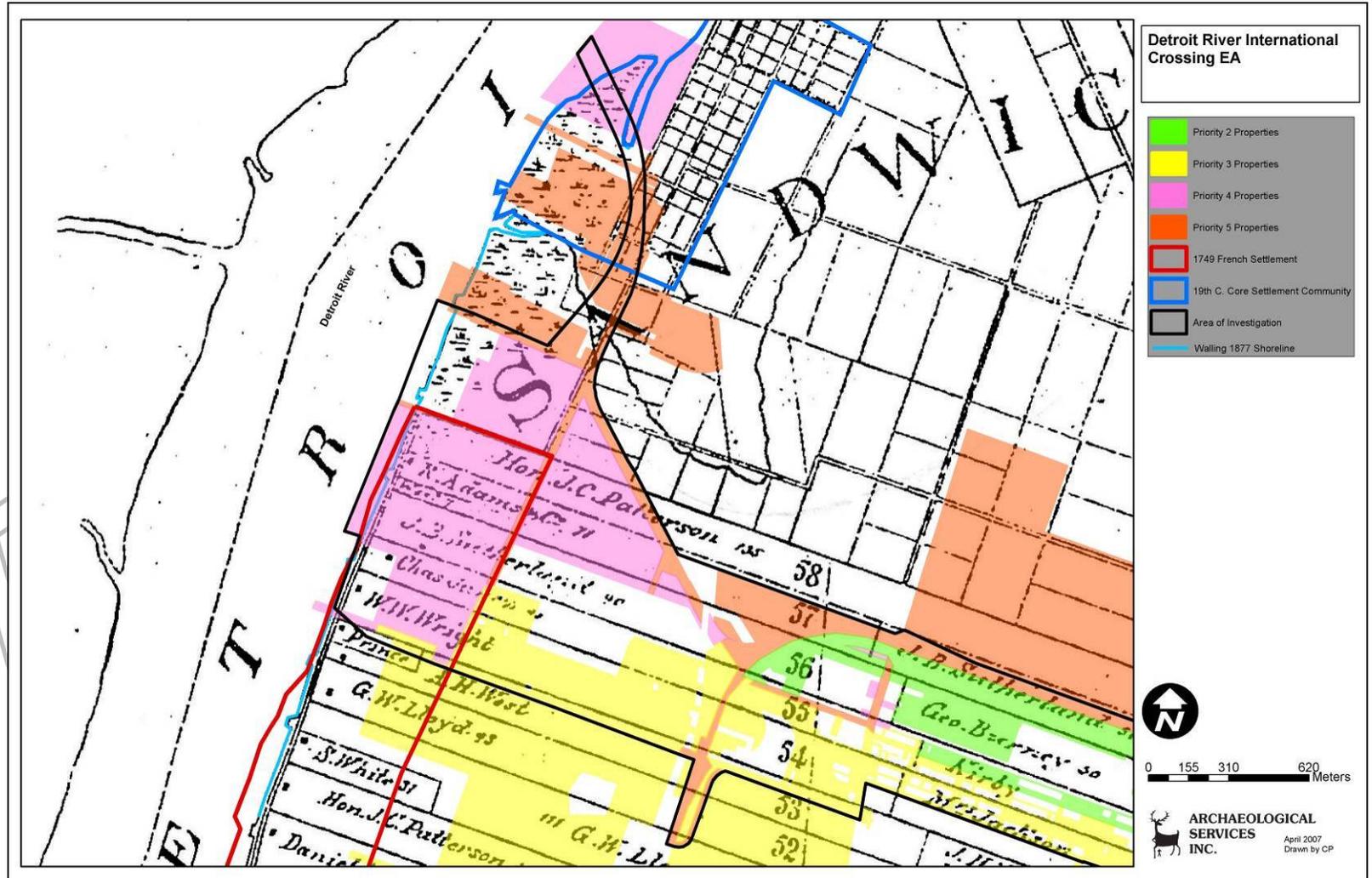


EXHIBIT 9. EXCERPT OF 1905 McPHILLIPS MAP WITH WESTERN PORTION OF AREA OF INVESTIGATION

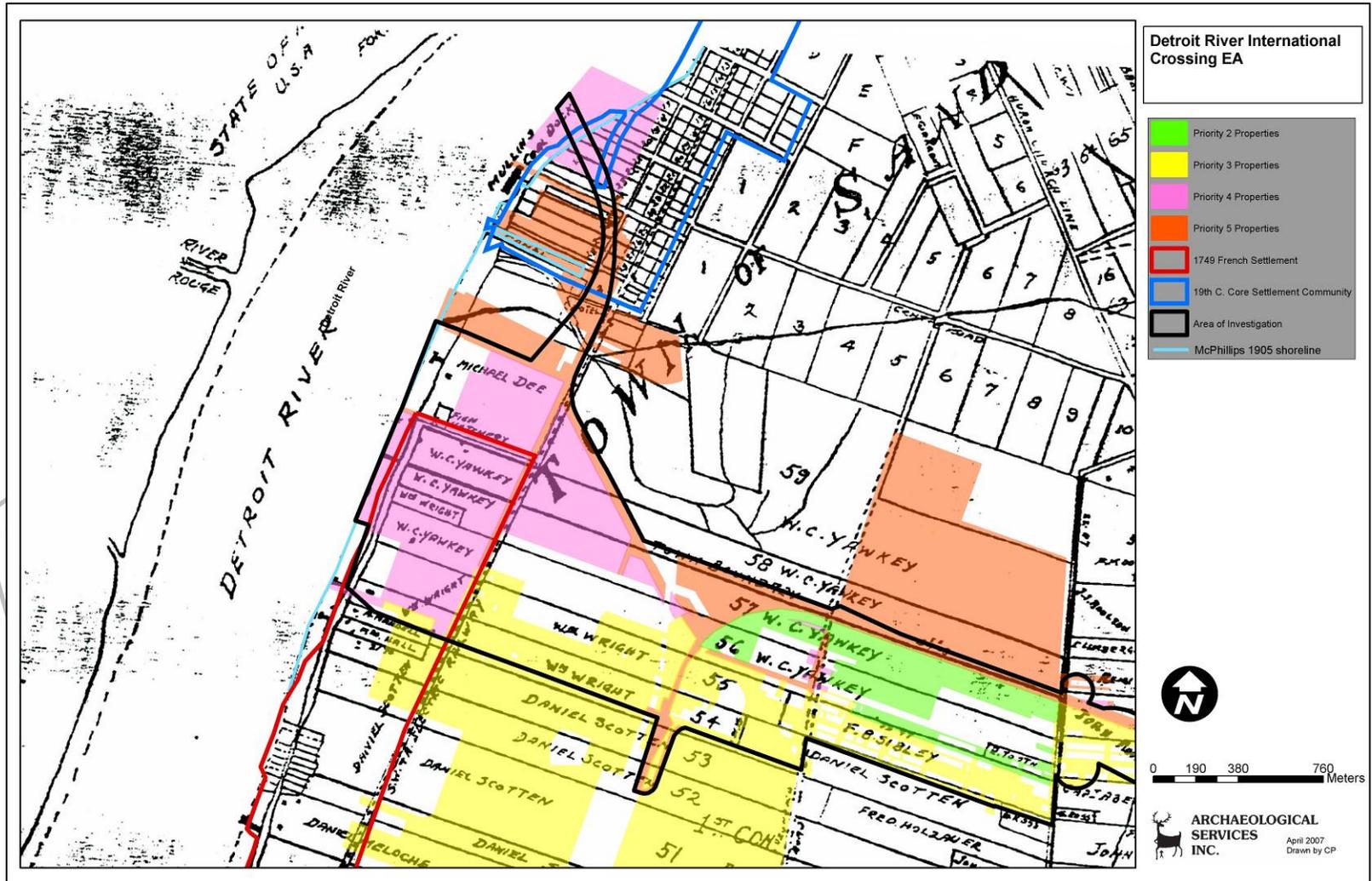


EXHIBIT 10. EXCERPT OF 1967 PATHFINDER METRO WINDSOR MAP WITH WESTERN PORTION OF AREA OF INVESTIGATION



### 3. DATA ANALYSIS

To date, a total of 42 sites have been located within the Area of Investigation. Summary details on these sites are provided in Table 1 and their general locations are illustrated in Exhibit 11. Appendix D contains a summary description of each site identified during the 2006 field season.

All artifacts recovered from these sites were processed in ASI's laboratory. Data analysis includes the evaluation of each site with respect to those that require further investigation through additional surface or sub-surface testing in order to assess the cultural heritage value of the individual archaeological site. Included in the data analysis is the registration of archaeological sites within the Ontario Archaeological Sites Database (OASD) by assigning numbers within the Borden system.

Under the Borden system, Canada has been divided into grid blocks based on latitude and longitude. A Borden Block is approximately 13 kilometres east to west, and approximately 18.5 kilometres north to south. A four-letter designator references each Borden Block, and sites within a block are numbered sequentially as they are found. The study area under review is located within the *AbHr* Borden Block.

In total, the analysis to date has identified 20 Aboriginal site components and 23 Euro-Canadian components along the access road corridors.

#### 3.1 Aboriginal sites

The Aboriginal sites identified by the "P" designation include 16 sites represented only by flaked lithics, three sites that also include fragments of prehistoric ceramics; and one (Site P18) that, after lab processing and analysis, was determined to be non-cultural and removed from further consideration. Within the former group, only two sites P1<sup>1</sup> and P2<sup>2</sup> yielded diagnostic artifacts that provide information pertaining to cultural affiliation: Site P1 is represented by an Early Archaic Nettling point dating to ca. 9800-8900 B.P. (Ellis et al. 1990: Figure 4.3, pp. 73-78), and Site P2 is characterized by a Middle Archaic Brewerton Corner-notched point dating ca. 5000-4500 B.P. (Ellis et al. 1990: Figure 4.3, pp. 83-93). The remaining sites feature non-diagnostic flaking detritus. Of the three ceramic-bearing Aboriginal sites, none have specimens large enough to provide observable evidence of surface preparation or decoration, and all are characteristic of the Woodland period, which dates post-3000 B.P.

To date, only two Aboriginal sites were surface-collected, the rest are represented by a limited number of positive test pits. All are either considered to be isolated findspots or limited scatters.

<sup>1</sup> Borden number – AbHr-10

<sup>2</sup> Borden Number AbH4-11

## 3.2

### Euro-Canadian Sites

The Euro-Canadian sites identified by the "H" designation include 17 components based on material culture that includes refined white earthenware, various types of window and bottle glass, saw-cut bone, and a variety of metal objects and personal items, to name a few. All artifact collections from the Euro-Canadian sites were examined by Ms. Eva MacDonald, ASI's Manager of Historic Archaeology, and a series of detailed land use histories were compiled for selected sites to provide assistance in evaluating their heritage potential and significance. Selection of sites for further evaluation is based on the analysis of artifact material from each site. Materials recovered from sites that are characteristic of 19<sup>th</sup> century life were identified as having heritage potential. A general land use summary gives information on the history and ownership of lands settled by Euro-Canadians in the area. Exhibit 12 illustrates the Lots investigated in the land use history assessment in relation to relevant portions of the 1881 Belden map. The Concessions and lots that underwent a land use history assessment include:

- Concession 1, Lots 53 – 57, Sandwich West Township
- Concession 2, Lots 48, 56, and 57, Sandwich West Township
- Concession 4, Lot 1, Sandwich West Township
- Concession 5, Lot 1, Sandwich West Township, and
- Lot 306, Sandwich East Township

EXHIBIT 11. GENERAL LOCATION OF ARCHAEOLOGICAL SITES RECOVERED IN STAGE 2 ARCHAEOLOGICAL ASSESSMENT

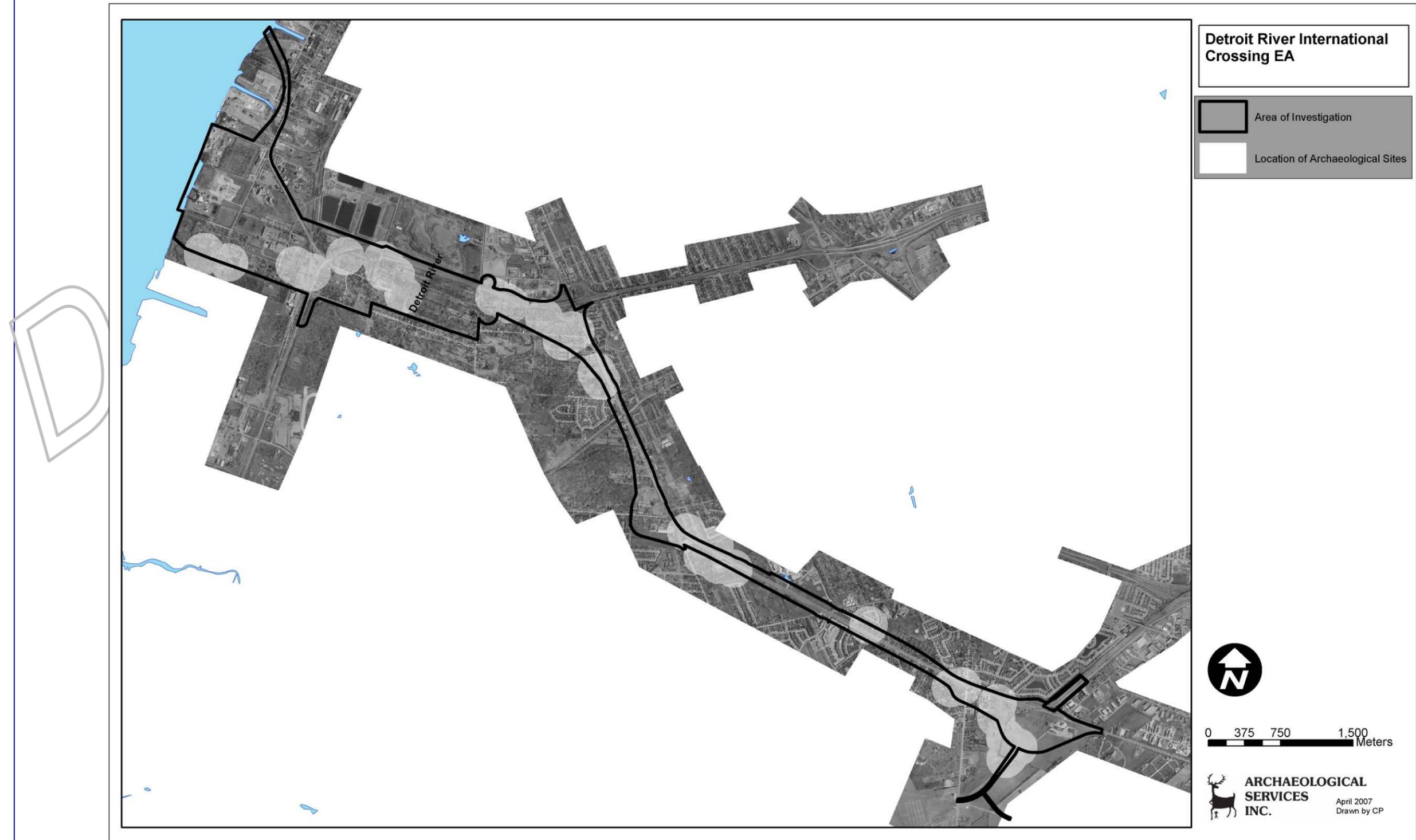
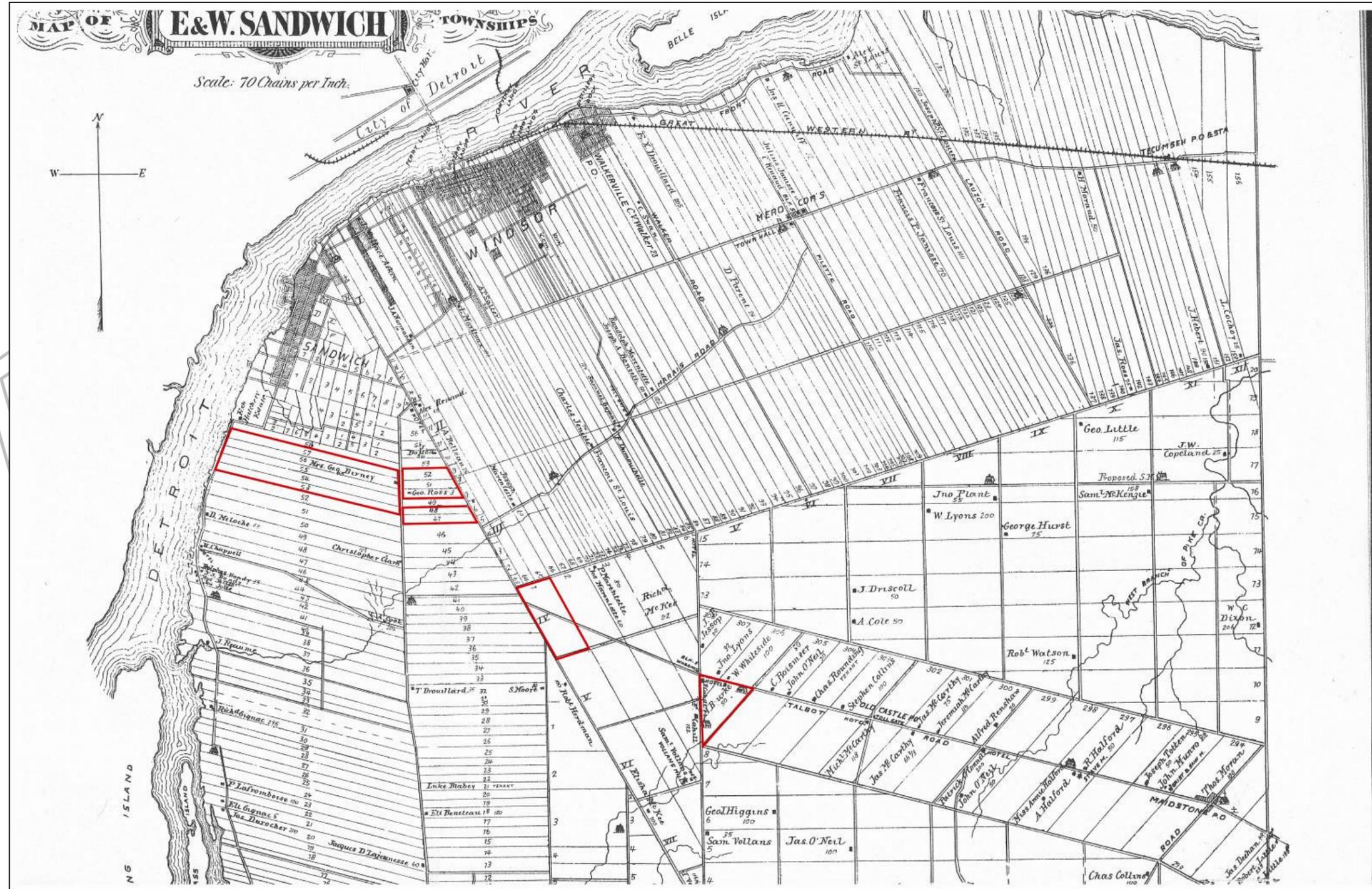


TABLE 1. ARCHAEOLOGICAL SITES IDENTIFIED DURING STAGE 2 ASSESSMENT					
SITE	MAP	UNIT	Culture	SITE TYPE	ARTIFACTS
<b>PRIORITY 1</b>					
H1	1	1	Euro-Can	scatter	whiteware, flat glass, stoneware
H2	1	5	Euro-Can	scatter	various
H3	1	3	Euro-Can	scatter	glass, metal, ceramic
P1	1	1	Aboriginal	isolated	projectile point frag. And flake
P2	1	1	Aboriginal	isolated	isolated corner-notched point
P3	1	2	Aboriginal	isolated	flake
<b>PRIORITY 2</b>					
H4	1	3	Euro-Can	scatter	various
H5	2	3	Euro-Can	scatter	various
H6	7	2	Euro-Can	scatter	glass, ceramics, nails
H7	5	2	Euro-Can	scatter	midden, filled cellar, or privy
H8	14	3	Euro-Can	findspot	plastic frags, wire nail (not kept)
H11	10	12	Euro-Can	scatter	metal, square nail, blue transfer print
H12	16	2	Euro-Can	scatter	various
H13	16	4	Euro-Can	scatter	various
H14	16	13	Euro-Can	isolated	polychrome painted ware
P4/H9	14	1	Aboriginal	isolated	flakes
			Euro-Can	isolated	historic material
P9/H10	10	6	Aboriginal	scatter	flakes
			Euro-Can	scatter	various
P5	13	13	Aboriginal	isolated	flake
P6	11	7	Aboriginal	isolated	flake
P7/H23	10	1	Aboriginal	disturbed	bone frags and flake
			Euro-Can		
P8	10	7	Aboriginal	isolated	flake
P10	10	13	Aboriginal	isolated	retouched flake
P11	5	7	Aboriginal	isolated	flake fragment
P12	15	3	Aboriginal	isolated	flake fragments
P13	16	3	Aboriginal	isolated	flakes and bone
P14	16	4	Aboriginal	isolated	flake
<b>PRIORITY 3</b>					
H15	18	57	Euro-Can	scatter	blue transfer print, glass
H16	20	1	Euro-Can	isolated	blue transfer print
H17	20	1	Euro-Can	isolated	whiteware
H18	17	54	Euro-Can	scatter	various
H19	25	2	Euro-Can	isolated	single nodule of glass
H20	25	2	Euro-Can	isolated	cut shell frag.
P15	19	7	Aboriginal	scatter	fragmentary sherds, flakes and bones
P16	19	28	Aboriginal	isolated	flake fragment
P17	20	1	Aboriginal	isolated	flake
P18/H21	25	10	n/a	n/a	n/a
			Euro-Can	scatter	various
P19/H22	26	1	Aboriginal	findspot	fragmentary sherds and flakes
			Euro-Can	scatter	various

EXHIBIT 12. BELDEN 1881 EAST AND WEST SANDWICH HISTORICAL ATLAS WITH LAND USE HISTORY OF LOTS OUTLINED



### 3.3

## Data Analysis – Plazas and Crossings

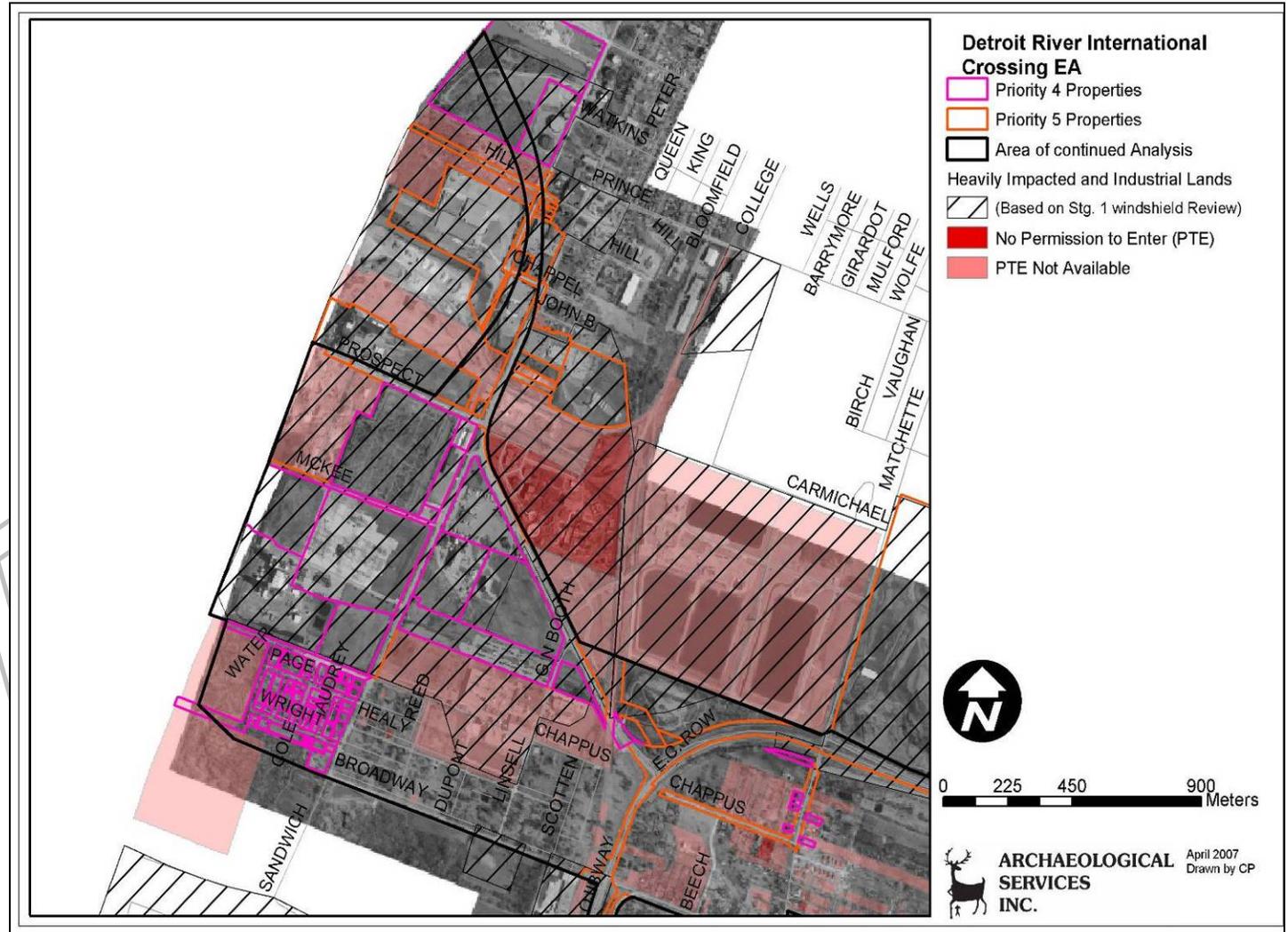
In 2005, a field review of the Area of Continued Analysis was conducted as part of the Stage 1 archaeological assessment. This review was broadly defined into three categories of land use: areas that predominately feature intensive industrial land use; areas that predominately feature residential or commercial land use; and other areas that typically are predominately less intensively altered or are currently open space. The purpose of this field review was to provide an initial characterization of modern land use, and to provide clues to the likely integrity of archaeological sites within the Stage 1 archaeological assessment area. It cannot be assumed that all areas identified as predominantly industrial in character are entirely without archaeological potential (ASI 2006:41).

Exhibit 13 relates the areas defined from the earlier Stage 1 field review as heavily impacted and industrial lands and relates it to the Area of Investigation. It is evident that a large portion of the western portion of the Area of Investigation is heavily impacted; however, *it should be noted that archaeological potential is not automatically negated in these areas.*

Further assessment of these heavily impacted areas was conducted through visual inspection of aerial photography for the Area of Investigation. Road ROWs and areas identified as predominately residential or commercial land use, where grading, servicing, paving, building construction, and other activities have significantly altered any potential archaeological resources, were identified as disturbed with no archaeological potential. Additionally, lands west of the 1877 Walling historic shoreline were also identified as disturbed with no potential due to early 20<sup>th</sup> century land filling and shoreline extension. These areas are identified in Exhibit 7.

As discussed in section 2.2.4, the City of Windsor Archaeological Master Plan stipulates that although most of the French farmsteads sites lie within areas that have undergone extensive 19<sup>th</sup> century development, none of them have ever been properly examined as archaeological sites. Therefore, those properties that may have been identified as heavily impacted and industrial cannot be automatically ruled out as having no archaeological potential.

EXHIBIT 13. INTEGRITY OF PRIORITY 4 AND 5 LANDS BASED ON STAGE 1 ARCHAEOLOGICAL ASSESSMENT



## 4. EVALUATION OF ALTERNATIVES

The evaluation of alternatives was carried out based on an assessment of potential disturbances to or destruction of archaeological sites with cultural heritage value or interest using a comparative criterion. This included the results of the Matrices Evaluation.

The process of evaluating cultural heritage value is based on a number of overlapping considerations that are applied on a case-by-case basis. These considerations fall into three basic categories: information value, value as a public resource, and community value.

Information value refers to the likelihood that investigation of a site will contribute to an increased understanding of the past. Such an assessment must be carried out through consideration of several major criteria: the degree to which a site will contribute to our understanding of the past (its cultural, historical and scientific value); the relative rarity or commonness of similar sites locally or regionally; its productivity or richness in terms of the artifacts it contains; and the degree to which it has been disturbed by more recent land uses or natural processes.

Value as a public resource refers to the degree that a site will contribute to an enhanced understanding and appreciation of Ontario's past on the part of the general public.

Value to a community refers to whether or not the site has intrinsic value to a particular community, First Nation or other group.

The results of the evaluation of access road and plaza/crossing alternatives are presented in Tables 2 and 3.

The impact assessment undertaken for this study is based on a ranking or significance and impact evaluation for known archaeological sites as well as the archaeological site potential affected by each practical alternative. The archaeological rankings and factor score values were determined as follows:

**Archaeological Sites:** known archaeological sites registered with the Ministry of Culture as well as sites found in the Stage 2 archaeological assessment are scored as follows:

1. sites with human remains (or potential for burials) or on National Inventory are given a rank of **high significance**;
2. large pre-contact Aboriginal sites (villages) are given a rank of **high significance**;
3. small pre-contact Aboriginal sites (e.g. campsites) or Euro-Canadian homestead sites are given a rank of **moderate significance**
4. isolated pre-contact Aboriginal findspots are ranked as **low significance**.

These rankings reflect cultural heritage value or interest of a particular site. For example, any site with human remains is of high heritage value. Large pre-contact

Aboriginal sites, such as villages are also perceived to have high heritage value because of the potential for burials.

**Impact Evaluation:** *disturbance to or destruction of known archaeological sites* within each study area (route segment, plaza or crossing) was evaluated based on the cumulative score of all archaeological sites mapped within an access road corridor:

- Cumulative scores of 100+ for each access road alternative are considered to have **High Impact**
- Cumulative scores of 50-99 for each access road alternative are considered to have **Medium Impact**
- Cumulative scores of 25-49 for each access road alternative are considered to have **Low Impact**
- A cumulative score of 0 for each access road alternative are considered to have **No Impact**

**Archaeological Site Potential Impact Evaluation:** *disturbance to areas of archaeological site potential* by each access road, plaza or crossing was evaluated as follows:

- An alternative impacting over 50% of lands with site potential are considered to have **High Impact**
- An alternative impacting more than 25% and up to 50% of lands with site potential are considered to have **Medium Impact**
- An alternative impacting up to 25% of lands with site potential are considered to have **Low Impact**
- An alternative impacting 0% of lands with site potential are considered to have **No Impact**

## 4.1 Preliminary Evaluation – Access Road

Based on the assessment of impacts to known archaeological sites in the lands surveyed, there is little to no difference between access road alternatives. All alternatives have a low impact.

Examining the individual access roads alternatives (alternatives 1, 2, and 3), there are no alternatives that impact either human remains or large pre-contact Aboriginal sites. The at grade access road Alternatives 1A and 1B have slightly higher counts of small pre-contact Aboriginal sites, which an average of 9.5 sites, compared to the depressed grade access road Alternatives 2A 2B which have an average of 8.9 sites. These compare to the tunnel access road alternative 3 which has 9 sites. In examining access road alternatives with pre-contact Aboriginal findspots, access road alternatives 1 and 3 are relatively equal, averaging 5.6 and 5.5 sites respectively. Access road alternative 2 options have a slightly higher count, averaging 6.8 sites. Table 2 illustrates the breakdown of the number of known archaeological sites in each access road alternative.

Given that no access road alternatives have sites with human remains or large pre-contact Aboriginal (village) sites (based on the evidence to date), all access road alternatives are assessed to have low to medium archaeological impact to known archaeological sites.

## 4.2 Preliminary Evaluation – Crossings and Plazas

Exhibits 14 through 19 illustrate the location of the plazas and their corresponding crossings in relation to areas known for potential archaeological features.

Stage 2 survey results to date for the plazas indicate the following (see Tables 3 and 4).

- 100% of all areas within Plaza A have been assessed. Three Euro-Canadian and two Aboriginal sites have been recorded within the plaza footprint.
- Approximately 30% of Plaza B was assessed during the 2006 field season. Two Euro-Canadian, one Aboriginal, and one multi-component (Euro-Canadian and Aboriginal) sites have been recorded within the plaza footprint. Of the remaining lands to be examined, half have no archaeological potential and the balance of these lands lie within the area of the original mid-18<sup>th</sup> century French settlement which have archaeological potential. Stage 2 archaeological assessment in the southeast section of the location of the mid-18<sup>th</sup> century settlement has uncovered two Euro-Canadian sites and one Aboriginal site. There is also a multi-component Euro-Canadian and Aboriginal site just outside the approximate boundaries of the settlement. Also within the mid-18<sup>th</sup> century settlement boundary, and within 400 metres of these three sites, are another three Euro-Canadian homesteads and one Aboriginal findspot recorded from previous archaeological assessments.
- Approximately 90% of lands within Plaza B1 have been assessed. One Euro-Canadian, two Aboriginal, and one multi-component (Euro-Canadian and Aboriginal) sites have been recorded within the plaza footprint. The remaining 10% also lies in the area of the original mid-18<sup>th</sup> century French settlement. These lands have archaeological potential;

Approximately 50% of Plaza C lands have been assessed as having no potential due to disturbance. No archaeological sites are recorded for this area. Approximately 40% of Plaza C is also situated in the area of the original mid-18<sup>th</sup> century French settlement. These lands have archaeological potential.

These results are summarized in Table 4.

**TABLE 2 SUMMARY OF ACCESS ROAD ALTERNATIVES**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources											
	Performance Measure	Criteria/Indicator	Measurement/Units	Alt 1A		Alt 1B		Alt 2A		Alt 2B		Alt 3
				Option 1	Option 2							
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0	0	0	0	0	0	0	0	0	0
		b) Number of known Rank 2 archaeological sites affected (large pre-contact Aboriginal sites [villages])	0	0	0	0	0	0	0	0	0	0
		c) Number of known Rank 3 archaeological sites affected (small pre-contact Aboriginal sites [e.g. campsites] or Euro-Canadian homestead sites)	7 to 12	9 to 10	9 to 10	9 to 10	9	9	8 to 9	9	8 to 10	
		d) Number of known Rank 4 archaeological sites affected (pre-contact findspots)	5 to 6	5 to 6	5 to 7	5 to 6	7 to 9	6	7	6	5 to 6	
		e) Percentage area with archaeological site potential affected	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	
		f) Subjective assessment	All access road alternatives are similar with respect to impact to archaeological features: an average of 8-9 small pre-contact Aboriginal campsites or Euro-Canadian homesteads vs. 6 pre-contact Aboriginal findspots within the footprint of each access road alternative.									

**TABLE 3 SUMMARY OF PLAZA / CROSSING ALTERNATIVES** Segments-Crossings to Malden Rd

Performance Measure	Criteria Indicator	Measurement/Units	Plaza A				Plaza B	Plaza B1		Plaza C
			From Crossing A	From Crossing B	From Crossing C	From Crossing C	From Crossing C	From Crossing B	From Crossing C	From Crossing C
Average Factor Score for Each Segment	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0	0	0	0	0	0	0	0
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0	0	0	0	0	0	0	0
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4	1	2	2	4	4	3	2
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	5	4	3	4	5	3	3	2
		Percentage of acreage with archaeological site potential affected	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%

**TABLE 4. SUMMARY OF STAGE 2 ARCHAEOLOGICAL ASSESSMENT FOR PLAZA OPTIONS**

Plaza	% Lands Surveyed	% Lands with No Potential	% within Historic French Settlement
A	100%	0%	0%
B	30%	25%	25%
B1	90%	0%	10%
C	0%	50%	40%

EXHIBIT 14. CROSSING A TO PLAZA A

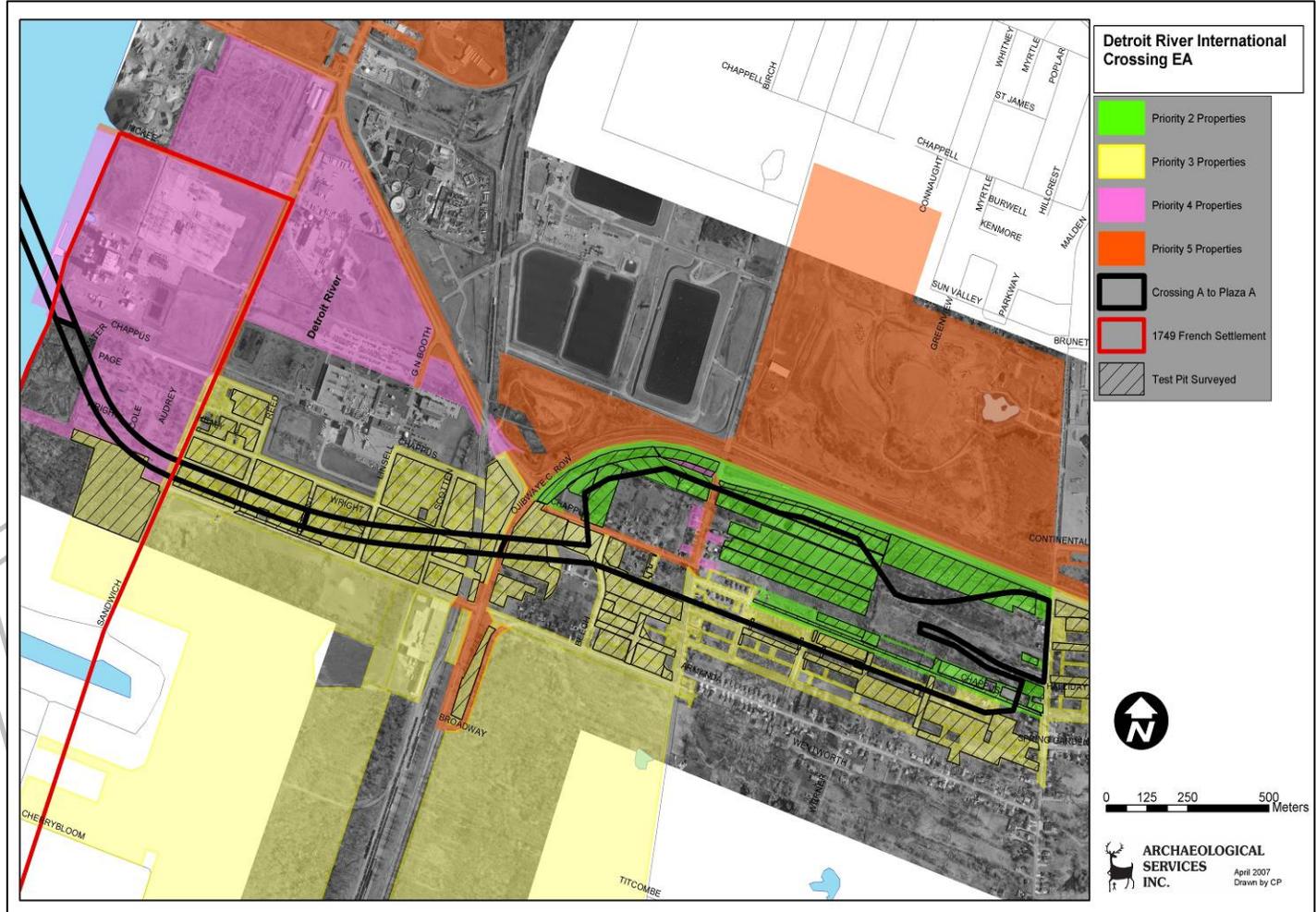




EXHIBIT 16. CROSSING C TO PLAZA A

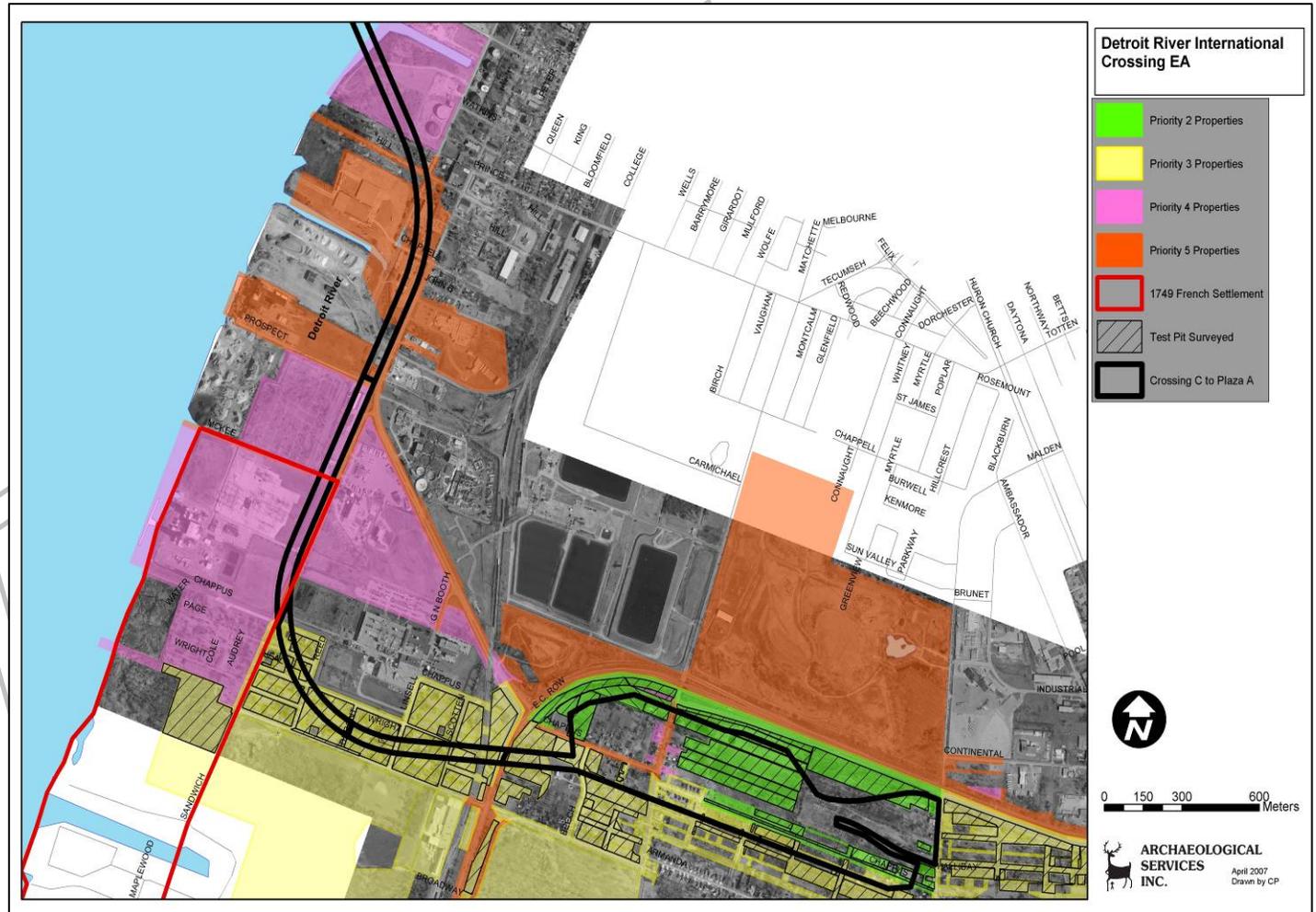






EXHIBIT 19. CROSSING C TO PLAZA C



## 5.0 FURTHER WORK REQUIRED

The following is the proposed work plan to complete archaeological assessment activities within the Technically and Environmentally Preferred Alternative (TEPA) to be selected.

### 5.1 Priority 2 and 3 Properties without Permission to Enter (PTE) within the TEPA

All Priority 2 and 3 properties in the TEPA where permission to enter is either unknown or denied, remain to be surveyed.

### 5.2 Priority 4 and 5 Properties within the TEPA

Priority 4 and 5 lands are predominately located in the western section of the Area of Investigation, where the alternative plazas and crossings are located in conjunction with the access road alternatives (Exhibit 20). Within the southwestern section of the study area, lies the 18<sup>th</sup> century French settlement of Petite Côte. In general, Priority 4 lands intersect this settlement, and areas of no potential due to disturbances have been identified where the plaza and crossings alternatives are located.

In light of this information, a Stage 2 archaeological assessment will be required for all Priority 4 and 5 lands within the TEPA that have archaeological potential (e.g. that overlap with the 18<sup>th</sup> century French settlement).

Before this fieldwork can commence, however, additional research is necessary, involving the examination of borehole logs and other geo-technical information within the TEPA to determine if intact deposits underlie areas of perceived disturbance (based on Stage 1 field reviews).

The Stage 2 archaeological assessment may involve pedestrian survey, test pit survey, and/or deep testing using a backhoe, backhoe mounted auger, and/or Gradall.

### 5.3 Stage 3 archaeological assessment within the TEPA

All archaeological sites provide information about the past and reflect the human history of Ontario, but some have greater cultural heritage value or interest than others (MCL 2006: Unit 1E-2). A Stage 3 site-specific assessment will be conducted on sites within the TEPA that have been identified by the Stage 2 assessment as requiring further investigation pertinent to its cultural heritage value or interest.

The required assessment method, either controlled surface pick-up or test unit excavation, depends on field conditions, techniques used during the Stage 2 assessment, and type of archaeological site. The assessment may include one or both methods.

### Controlled Surface Pickup (CSP)

According to the Ministry of Culture (Unit 1E-3), a CSP involves an examination of the ground surface of the archaeological site and vicinity, and recording the location and collection of surface artifacts. This method is for open or ploughed fields where archaeological sites were discovered through pedestrian survey. The goal of the CSP is to gather a sufficient artifact sample to document the extent of the archaeological site on the surface.

### Test Unit Excavation

According to the Ministry of Culture (Unit 1E-4), test unit excavation includes the controlled excavation of one-metre squares in selected locations across the site to determine the presence of buried artifacts, structures, stratigraphy and cultural features, and collect a representative sample of material. This method must be used as a follow-up to the CSP and for archaeological sites discovered through Stage 2 test pit excavation.

The goal of test unit excavation is to conduct adequate documentation of artifacts and cultural features in both the core (centre of surface scatter density or cluster of positive test pits) and the periphery of the site to determine.

The objectives of the Stage 3 site-specific assessment are to:

- Delineate the complete extent of the archaeological site;
- Determine the cultural affiliation and time period of the archaeological site;
- Assess the cultural heritage value or interest of the archaeological site; and
- Determine whether Stage 4 work is required and the extent of Stage 4 work.

Once a TEPA is selected, Stage 3 site-specific assessments will only be conducted on those sites determined to have cultural heritage potential or interest that will be disturbed or destroyed by the undertaking.

EXHIBIT 20. PRIORITY 4 AND 5 LANDS THAT REQUIRE A STAGE 2 ARCHAEOLOGICAL ASSESSMENT



## 6. REFERENCES

Archaeological Services Inc.

- 2005 Stage 1 archaeological assessment—Detroit River International Crossing, Existing Conditions Report for Archaeological Resources. Unpublished report submitted to the Ministry of Culture, Toronto.
- 2006 Stage 1 archaeological assessment—Detroit River International Crossing, Stage 1 archaeological assessment for Area of Continued Analysis. Unpublished report submitted to the Ministry of Culture, Toronto.

Culture Resource Management Group Limited

- 2005 Archaeological Master Plan Study Report for the City of Windsor. Unpublished report submitted to the City of Windsor, Windsor.

Ellis, C.J., I.T. Kenyon, and M.W. Spence

- 1990 The Archaic. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by C.J. Ellis and N. Ferris, pp. 65-124. Occasional Publication of the London Chapter, Ontario Archaeological Society 5, London.

Ministry of Culture

- 2006 *Standards and Guidelines for Consulting Archaeologists*. Heritage and Libraries Branch, Ministry of Culture, Toronto.

APPENDIX A – PRIORITY PROPERTIES

## APPENDIX B – PHOTOGRAPHY

**Priority 1: Map 1**



**Plate 1:** Unit 1 - view to northeast, good visibility in soybean field.



**Plate 2:** Unit 2 – view to south, good visibility in soybean field.



**Plate 3:** Unit 3 – view to south, good visibility in soybean field.



**Plate 4:** Unit 4 – view to north, herbaceous vegetation cover of abandoned field.



**Plate 5:** Unit 5 – view to southwest, test pitting in abandoned field.



**Plate 6:** Unit 6 – view to northeast, abandoned field.

**Priority 1: Map 2**



**Plate 1:** Unit 1 – old roadbed. Much garbage in topsoil.



**Plate 2:** Unit 2 – view to east, test pitted area on northeast part of interchange. One residential lot also tested.



**Plate 3:** Unit 3 – view to north, herbaceous vegetation in northwest part of interchange. Patches of asphalt present.



**Plate 4:** Unit 4 – view to west, graded ditch on northwest side of interchange.



**Plate 5:** Unit 5 – view to northeast, testing within southeast part of interchange.



**Plate 6:** Unit 6 – testing within southwest part of interchange.



**Plate 7:** Unit 7— view to east, testing within southwest part of interchange.



**Plate 8:** Unit 8 – forested area adjacent to southwest part of interchange was test pitted.



**Plate 9:** Unit 9 – young tree cover within southwest portion of interchange.



**Plate 10:** Unit 10 – testing within southwest part of interchange.

**Priority 2: Map 1**



**Plate 1:** Unit 1 - view to north, test pit assessment of lawn along Spring Garden Road.



**Plate 2:** Unit 2 - view to north, lawn near restaurant and motel.



**Plate 3:** Unit 3 - view to north, residential yard.



**Plate 4:** Unit 4 - view to southeast, test pit assessment of residential yard.



**Plate 5:** Unit 5 - view to north, test pit assessment of landscaped property.

**Priority 2: Map 2**



**Plate 1:** Unit 1 – view to north, largely disturbed by grading, landscaping & utilities.



**Plate 2:** Unit 2 – view to north, test pit assessment of grass field.



**Plate 3:** Unit 3 – view to west, ditch along tree line. Grass cover.



**Plate 4:** Unit 4 – view to west, test pit assessment in former dump area.



**Plate 5:** Unit 5 – view to west, test pitting lawn.

**Priority 2: Maps 3 & 4**



**Plate 1:** Unit 1 – view to north, grass cover on west side of Huron Church.



**Plate 2:** Unit 1 – view to west, disturbed conditions along Turkey Creek.



**Plate 3:** Unit 2 – view to north, grass and mature trees. Some disturbed locales.



**Plate 4:** Unit 3, view to east, residential lawn test pitted.



**Plate 5:** Unit 4 – view to west, test pit assessment near south end of unit. Overgrown grass, bushes and trees.



**Plate 6:** Unit 4 – view to west, commercial property disturbed by fill and dumping.

**Priority 2: Map 5**



**Plate 1:** Unit 1 - view to south, test pit assessment of lawn.



**Plate 2:** Unit 2 – view to southwest, landscaped area of unit. Assessed by test pitting.



**Plate 3:** Unit 2 – view to south, assessment of residential property.



**Plate 4:** Unit 3 – view to south, assessment of residential property.



**Plate 5:** Unit 5 – view to west, assessment of residential property.



**Plate 6:** Unit 7 - view to south, assessment of residential property.



**Plate 7:** Unit 9 – view to north, assessment of residential property.



**Plate 8:** Unit 10 – view to west, assessment of residential property.



**Plate 9:** Unit 12– view to south, of residential yard.



**Plate 10:** Unit 15 – view to north, assessment of residential property.



**Plate 11:** Unit 18– test pit assessment of scrub-covered lands.



**Plate 12:** Unit 25 – residential landscaped property.

**Priority 2: Map 6**



**Plate 1:** Unit 1 - view to west, test pit assessment of scrub.



**Plate 2:** Unit 2 – view to west toward backyards of Units 2 to 5.



**Plate 3:** Unit 3 – view to north, residential property.



**Plate 4:** Unit 6 – view to south, test pit assessment of residential property.



**Plate 5:** Unit 7 – view to west, test pit assessment of residential property.



**Plate 6:** Unit 8 - view to south, test pit assessment of vegetation covered area.

**Priority 2: Map 7**



**Plate 1:** Unit 1 - view to north, test pit assessment of grass. Units 2 & 3 in background.



**Plate 2:** Unit 5 – test pit assessment of residential property.

**Priority 2: Map 8**



**Plate 1:** Unit 1 - view to east, overgrown sidewalks along Lansing.



**Plate 2:** Unit 2 - view to east, test pit assessment in wooded area.



**Plate 3:** Unit 3 - view to southwest, test pit assessment in grass.



**Plate 4:** Unit 5 - view to north across lawn of Units 4, 5, 6.



**Plate 5:** Unit 7 - view to southeast, test pit assessment of abandoned field.

**Priority 2: Map 9**



**Plate 1:** Unit 1 - view to southwest, test pitted field.



**Plate 2:** Unit 2: view northwest, test pit assessment of field with poor surface visibility.



**Plate 3:** Unit 3 far west portion - piles of fill and debris present in scrub.



**Plate 4:** Unit 3: view to east, test pit assessment of field west of Huron Church.



**Plate 5:** Unit 3 – isolated concrete cross near residence of Unit 4.



**Plate 6:** Unit 3 – view to south near Huron Church, disturbed.



**Plate 7:** Unit 4 – view to west, residential property assessed.



**Plate 8:** Unit 5 - view to north, test pits excavated between ditches.



**Plate 9:** Units 6 and 7 – view to north across two units. Assessed by test pits.



**Plate 10:** Unit 8 – view to east, test pit assessment in herbaceous growth.



**Plate 11:** Unit 9 – view to north, residential property assessed by test pitting.

**Priority 2: Map 10**



**Plate 1:** Unit 1 - view to east residential property with lawn & trees in rows. Note elevation due to fill around house.



**Plate 2:** Unit 2 – view to south, disturbed property.



**Plate 3:** Unit 3 – view to east, disturbed property.



**Plate 4:** Units 4 and 5 – view to east, disturbed property.



**Plate 5:** Unit 6 – view to north, testing field near Legion.



**Plate 6:** Unit 6e – view to northeast, testing lawn along path.



**Plate 7:** Unit 7 - view to south, test pit assessment of grass near house.



**Plate 8:** Unit 8 – view to southwest, lawn assessed by test pits.



**Plate 9:** Unit 10 - view to west, herbaceous growth along ditch.



**Plate 10:** Unit 12 – view to northeast, testing on residential property.



**Plate 11:** Unit 13 - view to southwest, lawn of backyard assessed by test pitting.



**Plate 12:** Unit 14 – view to northwest along Huron Church.

**Priority 2: Map 11**



**Plate 1:** Unit 3 - view to east, testing in herbaceous vegetation.



**Plate 2:** Unit 5 – view to northwest, edge of herbaceous and scrub vegetation.



**Plate 3:** Unit 6 – view to northwest, seasonally wet area at southeast end of woods.



**Plate 4:** Unit 7 – view to west, septic area in lawn of church.



**Plate 5:** Unit 8 – view to northeast, grounds of church were test pitted.



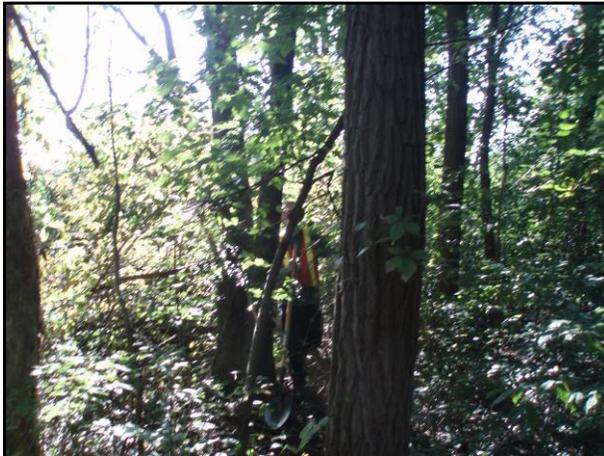
**Plate 6:** Unit 9 - view to north, residential lawn test pitted.



**Plate 7:** Unit 10 - view to south, tested residential lawn.



**Plate 8:** Unit 11 - view to south, test pit assessment of vacant lot.



**Plate 9:** Unit 12 - view to northwest, test pit assessment in woods.



**Plate 10:** Unit 13 - view to northwest, young woods assessed by test pitting.



**Plate 11:** Unit 14 - view to northwest, young woods assessed by test pitting.

**Priority 2: Map 12**



**Plate 1:** Unit 1 - view to north, disturbed field has been stripped for development.



**Plate 2:** Unit 3 – storm sewer grate within subdivision lawn area.



**Plate 3:** Unit 3 – view to northeast, test pit assessment near ditch.



**Plate 3:** Unit 4– view to north, test pit assessment of residential property.



**Plate 5:** Unit 5 – view to northeast, testing in herbaceous growth along ditch.

**Priority 2: Map 13**



**Plate 1:** Unit 1 - view to north, landscaped backyard of former 1789 homestead.



**Plate 2:** Unit 3 – view to south, backyard ditched for runoff.



**Plate 3:** Unit 5 – view to southeast, backyard of residential lot.



**Plate 4:** Units 9 to 11 – view to northwest, tested residential backyard, largely disturbed.



**Plate 5:** Unit 13 – view to northeast, front yard of tested property.



**Plate 6:** Unit 14 - view to south, tested backyard.

**Priority 2: Map 14**



**Plate 1:** Unit 1 - view to southeast, test pit assessment of grassy right-of-way.



**Plate 2:** Unit 2 - view to west, disturbed area near deep ditch.



**Plate 3:** Unit 2 - view to northwest along Talbot, note utilities. Disturbed.



**Plate 4:** Unit 3 - view to south, residential lawn assessed by test pitting.



**Plate 5:** Unit 4 - view to southwest, test pit assessment of residential yard.

**Priority 2: Map 15**



**Plate 1:** Unit 1 - view to south, disturbed ground verified by judgmental test pitting.



**Plate 2:** Unit 2 – view to north, test pit assessment of grass cover.



**Plate 3:** Unit 3 - view to north, test pit assessment of lawn.



**Plate 4:** Unit 4 – view to north, cultivated field assessed by pedestrian survey.



**Plate 5:** Unit 5 – view to southwest, test pit assessment of herbaceous growth.



**Plate 6:** Unit 6 – scrub growth assessed by test pits.

**Priority 2: Map 16**



**Plate 1:** Unit 1 - view to southeast, judgmental testing determined disturbance near road.



**Plate 2:** Unit 2 – view to southeast, assessment by test pitting in herbaceous vegetation.



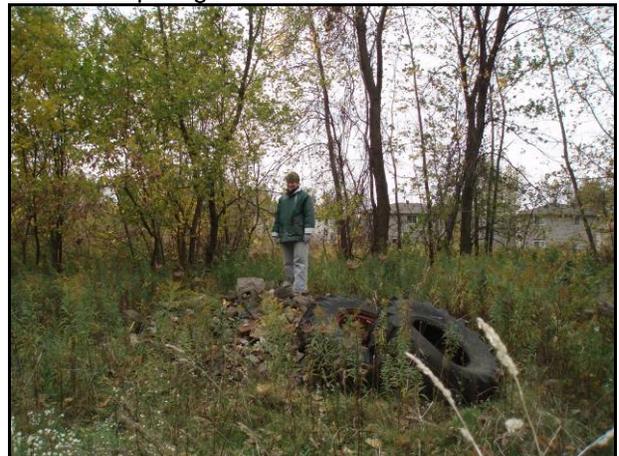
**Plate 3:** Unit 3 - view to north, grass and cedar groves assessed by test pits.



**Plate 4:** Unit 4 – view to west, herbaceous vegetation cover assessed by test pitting.



**Plate 5:** Unit 5– young and old trees and dumping.



**Plate 5:** Unit 6 – woods, scrub and herbaceous vegetation assessed by test pitting.



**Plate 7:** Units 8 and 9 – testing within scrub vegetation.



**Plate 8:** Unit 11 – view to east, test pit assessment of residential lawn.



**Plate 9:** Unit 13 - view to north, disturbed road allowance and herbaceous growth.



**Plate 10:** Unit 10 – view to north, test pit assessment of vacant lot.



**Plate 11:** Unit 18 – testing in herbaceous growth.



**Plate 12:** Units 28 to 38 – view to west, lots services and graded.

**Priority 3: Map 17**



**Plate 1:** Unit 1 - view to west, disturbed by microwave tower installation. Much of surface is gravel.



**Plate 2:** Unit 2 - view to south, Chappus Road ROW disturbed. Hydrant dated 1954.



**Plate 3:** Unit 6 - view to southwest, judgmental testing determined 40-100% disturbance. Undisturbed areas test pitted.



**Plate 4:** view to south, disturbed ROW along Sandwich is typical of other streets.



**Plate 5:** Unit 25 - view to northwest, test pit assessment of lots, partially disturbed.



**Plate 6:** Unit 29 - view to south, test pit assessment in herbaceous vegetation. Block largely undisturbed.



**Plate 7:** Unit 50 - view to west, test pit assessment of undisturbed block.



**Plate 8:** Unit 79 - view to southeast, test pit assessment in herbaceous vegetation.

**Priority 3: Map 18**



**Plate 1:** Unit 1 – view to east, test pit assessment in herbaceous vegetation typical of block.



**Plate 2:** Unit 14 - view to west along Broadway. Narrow typically disturbed ROW.



**Plate 3:** Unit 19 - view to west, much dumping and garbage in block.



**Plate 4:** Unit 30 – scrub and herbaceous vegetation in tested block.



**Plate 5:** Unit 49 - view to south, more dumping in block.



**Plate 6:** Unit 57 - test pit assessment in herbaceous growth.

**Priority 3: Map 19**



**Plate 1:** Unit 2 - view to west, testing near refuse area.



**Plate 2:** Unit 7 - view to southeast, test pit assessment in grass and herbaceous vegetation.



**Plate 3:** Unit 16 - view to west in former street right of way.



**Plate 4:** Unit 25 - view to south, grass covered lands assessed by test pits.



**Plate 5:** Unit 28 - view to north, test pit assessment of unit.



**Plate 6:** Unit 33 - view to north, testing between ditch and Ojibway Parkway ROW.



**Plate 7:** Unit 34 – view to east, herbaceous vegetation behind nature centre assessed.



**Plate 8:** Unit 35 - view to southwest, test pit assessment in rough scrub woods.



**Plate 9:** Unit 36 – view to west, testing in woodlot near wood frame structure.



**Plate 10:** Unit 37 – view to south, grassy and treed residential lot assessed.



**Plate 11:** Unit 39 – view to west, testing in varied vegetation of unit.

**Priority 3: Map 20**



**Plate 1:** Unit 1 – view to south, abandoned fields assessed by test pitting.



**Plate 2:** Unit 1 - view to north, testing in young woods.

**Priority 3, Map 21**



**Plate 1:** Unit 1 – judgmental testing determined disturbance in north end of unit.



**Plate 2:** Unit 1 - view to east, test pit assessment of wooded portion of unit.



**Plate 3:** Unit 2 - view to east, testing in herbaceous and scrub vegetation.



**Plate 4:** Unit 2 - view to north, testing in herbaceous and scrub vegetation.

**Priority 3, Map 22**



**Plate 1:** Unit 1 – view to south, test pit assessment of wheat in hydro easement.



**Plate 2:** Unit 2 - view to south, lawn assessed by test pits.



**Plate 3:** Unit 4 - view to north, note ditch, hydrant and sewer. Disturbed.



**Plate 4:** Unit 5 - view to southwest, testing in hydro corridor.



**Plate 5:** Unit 6 - view to east across lawn assessed by test pitting.



**Plate 6:** Unit 7 - view to northwest, front lawns assessed by test pitting.



**Plate 7:** Unit 11 - view to north, test pit assessment of scrub area in hydro corridor.



**Plate 8:** Unit 12 - view to west, former road in foreground.



**Plate 9:** Unit 14 - view to northeast, yard disturbed.



**Plate 10:** Unit 19 - view to southeast, disturbance.



**Plate 11:** Unit 23 - view to west, testing lawn under hydro line.

**Priority 3, Map 23**



**Plate 1:** Units 1-12 – view to east, disturbed lots.



**Plate 2:** Units 13-24 - view to east, test pit assessment of block.



**Plate 3:** Unit 28 - view to southeast, testing in herbaceous vegetation.



**Plate 4:** Unit 32 - view to south, testing in scrub vegetation.



**Plate 5:** Unit 39 - view to west, testing southern limit of unit, an un-used ROW.

**Priority 3: Map 24**



**Plate 1:** Unit 1 – view to east, test pit assessment in scrub and trees.



**Plate 2:** Unit 1 - view to east, piles of fill in unit, ditch on south side.



**Plate 3:** Unit 9 - view to east, test pit assessment in mixed vegetation.



**Plate 4:** Unit 13 - view to north, testing in scrub forest.



**Plate 5:** Unit 16 - view to west, test pit assessment.



**Plate 6:** Unit 17 - view to north, testing residential property.



**Plate 7:** Unit 19 – view to east, test pit assessment of grass and residential property.



**Plate 8:** Unit 21 – view to

**Priority 3: Map 25**



**Plate 1:** Unit 1, view to east, path on fill along north edge of scrub-covered unit.



**Plate 2:** Unit 2 - view to east, test pit assessment of scrub-covered unit.



**Plate 3:** Unit 9 - view to northwest, scrub woods in Units 7 to 9.



**Plate 4:** Unit 10 - view to west, test pit assessment of unopened ROW.



**Plate 5:** Unit 10 - view to west, test pit assessment of unopened right-of-way.



**Plate 6:** Unit 15 - view to northwest, test pit assessment in young woods.



**Plate 7:** Unit 16 - view to east, assessed unit with scrub and herbaceous growth.



**Plate 8:** Unit 17 - view to west, fill in backyard has partially disturbed unit.

**Priority 3: Map 26**



**Plate 1:** Unit 1 – view to east, test pit assessment of unopened ROW.



**Plate 2:** Unit 2 - view to east, test pit assessment of vacant lot.



**Plate 3:** Unit 3 - view to east, test pit assessment near south edge of unit.



**Plate 4:** Unit 8 - view to north, test pit assessment of residential lawn.



**Plate 5:** Unit 10 - view to southwest, property disturbed by residential construction and landscaping.



**Plate 6:** Unit 11 - view to south, unit disturbed by duplex construction and grading.

**Priority 3: Map 27**



**Plate 1:** Unit 3 – view to west, pedestrian survey of cultivated area. Test pit assessment of remainder of residential yard.



**Plate 2:** Unit 4 - view to northeast, testing in unopened road allowance.



**Plate 3:** Unit 4 – view to east, grass cover on disturbed southeast corner of intersection.



**Plate 4:** Units 4 and 11 - view to south, test pit assessment of residential lawn. Road allowance at left is disturbed by ditch.



**Plate 5:** test pit assessment of residential lawn.

**Priority 3: Map 28**



**Plate 1:** Unit 6 – view to east, test pit assessment of residential lot.



**Plate 2:** Unit 7 - view to north, residential property disturbed on Units 7-11.



**Plate 3:** Unit 12 - view to southwest, disturbance on commercial property.



**Plate 4:** Unit 17 - view to south, disturbed commercial property laneway.



**Plate 5:** Unit 18 - view to west, Talbot road allowance disturbance

**Priority 3: Map 29**



**Plate 1:** Unit 1 – view to east along Talbot Road at intersection with Outer Drive. Disturbed ROW.



**Plate 2:** Unit 1 - view to southwest, Outer Drive extending southward from Talbot intersection. Disturbed ROW.



**Plate 3:** Unit 6 - view to west, landscaped ground of commercial building. Disturbed.

**Priority 3: Map 30**



**Plate 1:** Unit 1 – view to northwest, disturbed lands on commercial property.



**Plate 2:** Unit 2 - view to southeast, front yard of residential property. Disturbed.



**Plate 3:** Unit 3 - view to southeast, residence on disturbed property.

APPENDIX C – SITE PROFILES

NOT FOR PUBLIC DISPLAY

## APPENDIX D – SURVEY FORM SUMMARIES

Priority	Map	Unit	Page # in Appendix A	Ground Visibility	Weather Conditions	Soils Characteristics	Soil depth in cm	Topography	Vegetation	Primary Survey Technique	%	Secondary Survey Technique	Number of Precontact Sites	Number of Euro Sites	Field Work Status	Page and Plate #s in Appendix B	Findings	Additional Comments
1	1	1	1	Good	sunny	sandy loam			yg soybeans	Pedestrian Surveyed	100		P1, P2	H1		1-1		
1	1	2	1	Good	sunny	sandy loam			yg soybeans	Pedestrian Surveyed	95	Test Pitted 5%	P3	0		1-2		
1	1	3	1	Good	cloudy	sandy loam			yg soybeans	Pedestrian Surveyed	100		0	H3		1-3		
1	1	4	1		clear and warm	sandy loam	25	flat small knoll at house	S,H	Test Pitted	100		0	0	Complete	1-4		
1	1	5	1		cloudy	sandy, clay, gravel	25	flat	H	Test Pitted	100		0	H2	Complete	1-5		
1	1	6	1		humid	clay loam	25	flat	H	Test Pitted	100		0	0	Complete	1-6		
1	2	1	2		hot and humid	gravel & topsoil	10-20	flat, landscaped	H	Test Pitted	100		0	0	Complete	2-1		
1	2	2	2		good light	sandy loam	25	bern	H,L	Test Pitted	100		0	0	Complete	2-2		some test pits had a clay loam soils some had grey
1	2	3	2		hot	gravel & topsoil	20	flat	H	Test Pitted	100		0	0	Complete	2-3		
1	2	4	2		hot and sunny	sandy loam	25	slope and ditch	H	Test Pitted	100		0	0	Complete	2-4		
1	2	5	2		sunny and warm	gravel & clay	25	flat	H,T	Test Pitted	100		0	0	Complete	2-5	green transfer print sherds	also dark brown sandy loam in centre of unit
1	2	6	2		good	sandy loam	30	flat, w berm	G,T	Test Pitted	100		0	0		2-6		
1	2	7	2		good	sandy loam		flat	G,T	Test Pitted	100		0	0		3-7		
1	2	8	2		good	sandy loam		flat	H	Test Pitted	100		0	0		3-8		
1	2	9	2		clear	sandy loam & clay loam	30	flat	S,T	Test Pitted	100		0	0	Complete	3-9		area is grass and woodlot
1	2	10	2		warm and clear	sandy loam		flat	S,T	Test Pitted	100		0	0	Complete	3-10		Unit assessed from July 4-7 and 18-19th
1	2	11	2		sunny and hot	sandy loam	20-30	flat	H	Test Pitted	100		0	0	Complete			
2	1	1	3		hot and humid	sandy loam	15	flat	L	Test Pitted	100		0	0	Complete	4-1		
2	1	2	3		hot and humid	sandy loam	10-15	flat and landscaped	L	Test Pitted	100		0	0	Complete	4-2		
2	1	3	3		hot and humid	sandy loam		flat	L	Test Pitted	100		0	H5	Complete	4-3	dates to early 20th C.	N 42-16-05.4 W83-02-49.7 +/- 6m
2	1	4	3		hot and humid	sandy loam		flat and landscaped	L	Test Pitted	100		0	0	Complete	4-4		
2	1	4	3	Good	overcast	sandy loam		flat		Pedestrian Surveyed	100		0	0	Complete	4-4		
2	1	5	3		hot and humid	sandy loam		flat and landscaped	L	Test Pitted	100		0	0		4-5		
2	1	5	3		overcast	sandy loam	30	flat	bean stubble	Test Pitted	60	Pedestrian Survey 30%	0	0	Complete	4-5		10% disturbed; 40% in bean field stubble and was surveyed at 2m intervals
2	1	6	3		overcast	sandy loam	30	flat	winter wheat	Test Pitted	60	Pedestrian Survey 30%	0	0	Complete			10% disturbed; 40% in winter wheat and was surveyed at 2m intervals
2	2	1	4		hot and humid	sandy clay		landscaped	L,T	Test Pitted	25	No Potential 75%	0	0		5-1		Completely disturbed by landscaping and sewers
2	2	2	4		hot and humid	sandy loam		flat	G,T	Test Pitted	100		0	0	Complete	5-2		
2	2	3	4		hot and humid	sandy loam	25-30	flat	G,T	Test Pitted	100		0	0	Complete	5-3	19th - 20th C. farm	
2	2	4	4		hot and humid	sandy loam	20-30	flat	S	Test Pitted	100		0	0		5-4		
2	2	4	4		hot and humid	sandy loam	20-30	flat, wooded		Test Pitted	100		0	0	Complete	5-4		
2	2	5	4		hot	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete	5-5		
2	3	4	5		cloudy	sandy loam	40-50	flat	S,H	Test Pitted	10%	Disturbed 90%	0	0	Complete	6-5 and 6		
2	5	1	6		sunny	sandy loam				Test Pitted	100		0	0		7-1		
2	5	1	6		overcast	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete	7-1		unit consists of housing lot at 2672 Paul Martin Cres
2	5	2	6		sunny and warm	sandy loam	20-45	flat	L,H	Test Pitted	100		0	H7	Complete	7-2 and 3		site 5, early 20th C. Test pit #3 was very rich and appears to be a midden, cellar or privy
2	5	3	6		sunny and warm	sandy loam	30	flat	G	Test Pitted	100		0	0	Complete	7-4		
2	5	4	6		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			
2	5	5	6		sunny	sandy	30-40	flat	L	Test Pitted	100		0	0	Complete	7-5		
2	5	6	6		sunny	sandy loam	30-45	flat	L	Test Pitted	100		0	0	Complete			
2	5	7	6		sunny	sandy loam	35-45	flat	L	Test Pitted	100		0	0	Complete	7-6		
2	5	8	6		sunny	sandy loam	30-40	flat	G,S	Test Pitted	100		0	0	Complete			
2	5	9	6		sunny	clay & sandy loam	20-30	flat	L	Test Pitted	100		0	0	Complete	8-7		
2	5	10	6		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete	8-8		
2	5	11	6		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			
2	5	12	6		sunny	sandy loam	30-40	flat	G,S	Test Pitted	100		0	0	Complete	8-9		
2	5	13	6		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			
2	5	14	6		sunny	clay & sandy loam	30-40	flat	G,S	Test Pitted	60%		0	0	Work outstanding			
2	5	15	6		sunny	sandy loam	30	flat	G,S	Test Pitted	100		0	0	Complete	8-10		
2	5	16	6		sunny	sandy loam	25-30	flat	S	Test Pitted	100		0	0	Complete			
2	5	17	6		sunny with cloudy periods	sandy loam	25-30	flat	S	Test Pitted	100		P11	0	Complete			
2	5	18	6		cloudy with sunny periods	sandy loam	25-30	flat	S	Test Pitted	100		0	0	Complete	8-11		
2	5	19	6		cloudy with sunny periods	sandy loam	25-30	flat	S	Test Pitted	100		0	0	Complete			
2	5	20	6		overcast	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete			
2	5	21	6		overcast	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete			
2	5	22	6		overcast	sandy loam			S	Test Pitted	100		0	0				
2	5	23	6		overcast	sandy loam			S	Test Pitted	100		0	0				
2	5	24	6		overcast	sandy loam			S	Test Pitted	100		0	0				
2	6	1	7		warm and partly cloudy	sandy loam	30-35	flat	S	Test Pitted	50%	Disturbed 50%	0	0	Complete	9-1		
2	6	2	7		sunny with clouds	clay & gravel	15-25	landscaped	L	Test Pitted	100		0	0	Complete	9-2		
2	6	3	7		sunny with clouds	clay & gravel	15-25	landscaped	L	Test Pitted	100		0	0	Complete	9-3		Entire unit is disturbed from construction and landscaping
2	6	4	7		sunny with clouds	clay & gravel	15-25	landscaped	L	Test Pitted	100		0	0	Complete			
2	6	5	7		sunny with clouds	clay & gravel	15-25	landscaped	L	Test Pitted	100		0	0	Complete			

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2	6	6	7		sunny with clouds	sandy loam	25	flat	L	Test Pitted	50%	Disturbed 50%	0	0	Complete	9-4		
2	6	7	7		sunny with clouds	sandy loam	30-35	flat	L	Test Pitted	50%	Disturbed 50%	0	0	Complete	9-5		
2	6	8	7		sunny with clouds	sandy loam	30-35	flat	L	Test Pitted	50%	Disturbed 50%	0	0	Complete	9-6		
2	7	1	8		cloudy with sunny breaks	sandy loam	40-45	flat	G	Test Pitted	100		0	0	Complete	10-1		
2	7	2	8		cloudy with sunny breaks	sandy loam	40-45	flat	G	Test Pitted	100		0	H6	Complete			20th C. and is probably assoc. with site 3, 100 m to the north
2	7	3	8		cloudy with sunny breaks	sandy loam	40-45	flat	G	Test Pitted	100		0	0	Complete			
2	7	4	8		cloudy with sunny breaks	sandy loam	40	flat	G	Test Pitted	100		0	0	Complete			
2	7	5	8		cloudy	sandy loam	20-30	flat	L	Test Pitted	100		0	0	Complete	10-2		
2	8	1	9		overcast and rainy	sandy loam	35	flat	G	Test Pitted	100		0	0	Complete	11-1		
2	8	2	9		cloudy	sandy loam	25-30	flat		Test Pitted	100		0	0	Complete	11-2		
2	8	3	9		cloudy	sandy loam	30			Test Pitted	100		0	0	Complete	11-3		
2	8	4	9		cloudy	sandy loam	30		L	Test Pitted	100		0	0	Complete			
2	8	5	9		cloudy	sandy loam	30		L	Test Pitted	100		0	0	Complete	11-4		
2	8	6	9		cloudy	sandy loam	30		L	Test Pitted	100		0	0	Complete			
2	8	7	9		cloudy	sandy loam	35-40	flat	H	Test Pitted	100		0	0	Complete	11-5		
2	9	1	10		sunny and warm	sandy loam	20-30	flat	Field	Test Pitted	100		0	0	Complete	12-1		
2	9	2	10		overcast	sandy loam	30-40	flat		Test Pitted	100%		0	0	Complete	12-2		area is less than 1 ha so it could be test pitted and not ploughed and visually assessed
2	9	2	10		sunny and warm	sandy loam		flat	bean field	Test Pitted	100		0	0	Work outstanding	12-2		Bean field should be visually assessed when harvested & ploughed
2	9	2	10		overcast	sandy loam	30-40	flat		Test Pitted	100		0	0	Complete	12-2		area of unit is less than 1 ha so it could be test pitted and not ploughed and visually assessed
2	9	3	10		warm and sunny	sandy loam	30-40	flat	S, field	Test Pitted	25%	No Potential 50%	0	0	Work outstanding	12-3 to 6		woodlot full of fill and trash, hay filed needs ploughing and visual assessment
2	9	4	10		sunny and warm	sandy loam	35-45	flat	L	Test Pitted	100		0	0	Complete	13-7		
2	9	5	10		sunny and warm	sandy loam	30-40	flat	L	Test Pitted	100		0	0	Complete	13-8		
2	9	6	10		sunny and warm	sandy loam	30-45	flat	H	Test Pitted	100		0	0	Complete	13-9		
2	9	7	10		sunny and warm	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	13-9		
2	9	8	10		cloudy and misty	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete	13-10		
2	9	9	10		overcast and misty	gravel & clay	15	flat	G	Test Pitted	50%	Disturbed 50%	0	0	Complete	13-11		tested backyard but not the front since it was heavily landscaped
2	10	1	11		sunny and clear	sandy loam	40	raised area (most likely fill)	L	Test Pitted	100		0	0	Complete	14-1		frontyard fill with at least 1 drainage pipe buried
2	10	2	11		cloudy	disturbed				Disturbed	100		0	0		14-2		
2	10	3	11		cloudy					Disturbed	100		0	0	Complete	14-3		Building and parking lot of Town & Country animal Clinic - Completely disturbed.
2	10	6	11		sunny, clear, cool	clay loam & clay	15-35	flat	L,G,T	Test Pitted	100		P9	H10	Complete	14-5 and 6		residential area, landscaped and often disturbed near driveways
2	10	7	11		sunny	sandy loam	40	flat	G	Test Pitted	100		P7	H23	Complete	15-7		
2	10	8	11		sunny	sandy loam	30	flat	L,G,T	Test Pitted	100		0	0	Complete	15-8		
2	10	9	11		sunny, clear, cool	sandy loam	15-35	flat	L	Test Pitted	70%	Disturbed 30 %	0	0	Complete			area around house and garage is disturbed, landscaped.
2	10	10	11		sunny and clear	sandy loam	30	flat	L	Test Pitted	70	Disturbed 30%	0	0	Complete	15-9		septic field taking up more than half of backyard
2	10	11	11		sunny, clear, cool	sandy loam	15-35	flat	L	Test Pitted	70%	Disturbed 30%	0	0	Complete			Backyard disturbed. Concrete, gravel, recent garbage.
2	10	12	11		sunny	sandy loam	30	flat	L	Test Pitted	100			H11	Complete	15-10		
2	10	13	11		sunny	sandy loam	30	flat	L	Test Pitted	100		P10	0	Complete	15-11		
2	10	14	11		sunny				L	Disturbed	100%					15-12		
2	10	14	11		sunny and cool				L	Disturbed	100		0	0	Complete	15-12		The unit is in the ROW Huron-Church, completely disturbed
2	10	4 & 5	11		cloudy			flat		Disturbed	100		0	0	Complete	14-4		Units are occupied by the Mac's convenient store and parking lot.
2	11	1	12		overcast and cool	sandy loam & clay	30	flat	S	Test Pitted	100		P8	0	Complete			
2	11	2	12		overcast	sandy loam & clay	25	flat	S	Test Pitted	100		0	0	Complete			
2	11	3	12		overcast	sandy loam & clay	30	flat, scrub and bush	S	Test Pitted	100		0	0	Complete	16-1		
2	11	4	12		overcast	sandy loam	30	flat with furrows, grasses, scrub bush	S	Test Pitted	90%	No Potential 10%	0	0	Complete			
2	11	5	12		overcast	sandy loam	30	flat, furrow, grasses, scrub brush		Test Pitted	80%	No Potential 20%	0	0	Complete	16-2		East end of unit is treed, ground under canopy looks like it is seasonally flooded
2	11	6	12		overcast	sandy loam	30	flat, furrow, grasses, scrub brush	S,T	Test Pitted	80	No Potential 20%	0	0	Complete	16-3		East end of unit is treed, ground under canopy looks like it is seasonally flooded
2	11	7	12		warm and sunny	sandy loam	30-40	flat	L	Test Pitted	100		P6	0	Complete	16-4	utilized flake, perhaps pottery	Site 10 near the north edge of the parking lot and driveway produced the only questionable prehistoric artifacts. The test pits also appeared to have some buried horizons, but whether or not they are natural needs to be determined.
2	11	8	12		sunny	sandy loam	30	flat	L	Test Pitted	30%	Disturbed 70%	0	0	Complete	16-5		
2	11	9	12		sunny and clear	sandy loam	35	flat	L	Test Pitted	70%	Disturbed 30%	0	0	Complete	16-6		
2	11	10	12		sunny and clear	sandy loam	30	flat	H	Test Pitted	70%	Disturbed 30%	0	0	Complete	17-7		
2	11	11	12		sunny	sandy loam	35	flat	S	Test Pitted	100		0	0	Complete	17-8		
2	11	12	12		sunny	sandy loam	20-25	flat	T	Test Pitted	100		0	0	Complete	17-12		
2	11	13	12		overcast	sandy loam	25-30	flat	T	Test Pitted	100		0	0	Complete	17-10		
2	11	14	12		overcast	sandy	20-30	flat	T	Test Pitted	100		0	0	Complete	17-11		

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2	12	1	13		clear & cool	clay	100	flat	H	Disturbed	100		0	0	0	18-1		this unit is under fill and could not be assessed with shovel test pits.
2	12	2	13		sunny			flat	L	Disturbed	100		0	0	Complete			The area has been disturbed by construction of utility installation. This area has no potential and was blitzed during construction.
2	12	3	13		sunny	sandy loam	30	flat	G	Test Pitted	100		0	0	Complete	18-2 and 3		This area was probably a farm field and the 30 cm of topsoil was plough zone. On Friday the crew noticed a weather station had been built on this unit.
2	12	4	13		sunny	sandy loam	25	flat	L	Test Pitted	90	No Potential 10%	0	0	Complete	18-3		
2	12	5	13		partly overcast	sandy loam & clay	35	flat except for ditch		Test Pitted	100		0	0	Complete	18-5		
2	13	1	14		sunny	sandy loam	30-40	flat	L	Test Pitted	100		0	0	Complete	19-1		this unit appears to have been disturbed by both landscaping and construction.
2	13	2	14		sunny	sandy loam			L	Test Pitted	100		0	0				
2	13	3	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete	19-2		
2	13	4	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete			
2	13	5	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete	19-3		The entire unit is disturbed
2	13	6	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete			the entire unit is disturbed.
2	13	7	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete			Unit heavily impacted by construction.
2	13	8	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete			Heavily impacted by construction.
2	13	9	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete	19-4		
2	13	10	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete	19-4		Heavily impacted by construction.
2	13	11	14		sunny	sandy loam	40	flat	L	Test Pitted	100		0	0	Complete	19-4		Heavily impacted by construction.
2	13	12	14		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			
2	13	13	14		sunny	sandy loam & gravel	30	flat	L	Test Pitted	100		P5	0	Complete	19-5		
2	13	14	14		sunny			flat	L	Test Pitted	100				Work outstanding	19-6		Have not tested unit yet, need to make an appt. with land owner. Took pics from the street and over the fence.
2	14	1	15		sunny	sandy loam	30-40	flat	L	Test Pitted	100		P4	H9	Complete	20-1	2 chert flakes along with historic material	Site 7. Asphalt was found in the second positive test pit at a depth of 26 cm.
2	14	2	15		sunny			flat	G,S	Disturbed	100		0	0	Complete	20-2 and 3		Completely disturbed, part of the ROW of Talbot and includes a large ditch running through the centre of the unit.
2	14	3	14		sunny	sandy loam	40	flat	L	Test Pitted	90	Disturbed 10%	0	H8	Complete	20-4		The soil shows evidence of being fill with the recovery of rusty nails, brick frags., etc... This is probably not a historic site and is simply material included in fill deposited on the unit.
2	14	4	15		sunny	sandy loam	25-40	flat	L	Test Pitted	75	Disturbed 25%	0	0	Complete	20-5		
2	15	1	16		sunny			flat	G	Disturbed	100		0	0	Complete	21-1		Area was a wetland/ditch area on the NW end of Chappus St. and could not be tested
2	15	2	16		sunny	sandy loam	30	flat	G	Test Pitted	100		0	0	Complete	21-2		
2	15	3	16		sunny	sandy loam	30	flat	L	Test Pitted	100		P12	0	Complete	21-3		
2	15	4	16	Excellent	sunny	sandy loam & gravel	30	flat	cultivated	Pedestrian	80	Test Pitted 20%	0	0	Complete	21-4		
2	15	5	16		sunny	sandy loam	30-45	flat	H	Test Pitted	100		0	0	Work outstanding	21-5		
2	15	6	16		sunny	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete	21-6		
2	15	7	16		overcast	sandy loam & clay loam	40	varied		Disturbed	100		0	0	Complete			Soil is disturbed lying between the EC ROW berm that carries the expressway over Machette Road and the southern edge of the ROW and includes a ditch cut into the soil.
2	16	1	17		overcast	sandy loam	30-40	flat	S,G	Disturbed	80	Test Pitted 20%	0	0	Work outstanding	22-1		Terrain is generally flat. Approx. 2/3 of unit is disturbed by a roadway shoulder and a large ditch. Ground between the up-slope of the ditch and the fence line is approx. 3 m wide and appears disturbed.
2	16	2	17		sunny	sandy loam & clay loam	40	flat	H,S	Test Pitted	100		0	H12	Complete	22-2		Photos also see 16-01-009-014. Unit is heavily overgrown
2	16	3	17		sunny	sandy loam	30-40	flat	L,S	Test Pitted	100		P13	0	Complete	22-3		Historic site is probably fairly recent and relates to activities in the backyard of this house.
2	16	4	17		sunny	sandy loam	20-40	flat	H,G, cedar	Test Pitted	95	Disturbed 5%	P14	H13	Complete	22-4		Unit is overgrown with high weeds
2	16	5	17		overcast	sandy loam	30-40	flat	T,H,S	Test Pitted	95	Disturbed 5%	0	0	Complete	22-5		
2	16	6	17		overcast	sandy loam	25-40	flat	T,H,S	Test Pitted	95	Disturbed 5%	0	0	Complete	22-6		area to the east to ditch/road cut in a scrubby undergrowth woodlot
2	16	7	17		overcast	sandy		flat	L,S	Test Pitted	50	Disturbed 50%	0	0	Complete			
2	16	10	17		overcast	sandy loam	30	flat	S	Test Pitted	70	Disturbed 25%	0	0	Complete	23-10		Backyard disturbed by pool and deck
2	16	11	17		overcast	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete	23-8		
2	16	12	17		overcast	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			
2	16	13	17		overcast	sandy loam	20-40	flat	S,H	Test Pitted	60	Disturbed 40%	0	H14	Complete	23-9		
2	16	14	17		overcast	sandy loam	30	flat	G	Test Pitted	100		0	0	Complete			
2	16	15	17		overcast	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete			
2	16	16	17		overcast	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete			unit is partly overgrown
2	16	17	17		overcast	sandy loam	30	flat	S	Test Pitted	100		0	0	Complete			
2	16	18	17		overcast	sandy loam	30	flat	H	Test Pitted	100		0	0	Complete	23-11		
2	16	19	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably dirt stripped from Chappus ROW
2	16	20	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably dirt stripped from Chappus ROW

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2	16	21	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably dirt stripped from Chappus ROW
2	16	22	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	23	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	24	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	25	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	26	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	27	17		overcast	sandy loam	30	flat	H	Test Pitted	75	Disturbed 25%	0	0	Complete			unit disturbed by 1m berm near S edge- probably stripped from Chappus ROW
2	16	28	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	29	17		overcast	sandy loam		piles of dirt		disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	30	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	31	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	32	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	33	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	34	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	35	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	36	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	37	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	38	17		overcast	sandy loam		piles of dirt		Disturbed	100		0	0	Complete	23-12		area has been stripped and piled up; utilities have been installed along Chappus frontage
2	16	28-38	17						H	Disturbed	100				Complete	23-12		
2	16	8 and 17			overcast	sandy loam	30	flat	H	Test Pitted	60	Disturbed 40%	0	0	Complete	23-7		units heavily overgrown-boudary between both units unclear; area east of ditch in Unit 9 covered with fill of at least 70cm and ranges to up to several metres
2	3+4	1	5		hot	gravel & clay	10-15	flat	G,T	Test Pitted	25%	No Potential 75%		H4	Complete	6-1		Landscaped paths and creek bed
2	3+4	2	5		hot	sandy loam & gravel	10	generally flat, sloping on Turkey Creek	G,T	Test Pitted	100				Complete	6-2		
2	3+4	3	5		hot	sandy loam	20-30	flat	L	Test Pitted	100				Complete	6-3		
2	3+4	4	5		hot and humid	sandy loam	20-30	flat	G,S,T	Test Pitted	100				Complete	6-4		
3	17	1	18		overcast	gravel		flat	H	Disturbed	100		0	0	Complete	24-1		area is at the SE corner of Sandwich and Chappus
3	17	2	18		overcast	disturbed		flat	H,T	Disturbed	100		0	0	Complete	24-2		area is ROW along Chappus and street that runs south from east end of Chappus; ditches or gravel shoulders exit along both sides of street
3	17	3	18		overcast	sandy loam & gravel	40	flat	H,T	Test Pitted	90	Disturbed 10%	0	0	Complete			former housing lot
3	17	4	18		overcast	sandy loam & gravel	40	flat	H,T,S	Test Pitted	90	Disturbed 10%	0	0	Complete			former housing lot
3	17	5	18		overcast	sandy loam & gravel	40	flat	H,G, cedar	Test Pitted	40	Disturbed 60%	0	0	Complete			former house lot; house is on airphoto but has been demolished
3	17	6	18		overcast	sandy loam & gravel	40	flat	G,S	Test Pitted	90	Disturbed 10%	0	0	Complete	24-3		former house lot
3	17	7	18		overcast	sandy loam & gravel	40	flat	H,S	Test Pitted	90	Disturbed 10%	0	0	Complete			former house lot
3	17	8	18		overcast	sandy loam & gravel	40	flat	H	Test Pitted	100		0	0	Complete			area is full of piles of junk
3	17	9	18		overcast	sandy loam & gravel	40	flat	H,S	Test Pitted	100		0	0	Complete			area is overgrown
3	17	10	18		overcast			flat	H	Disturbed	100		0	0	Complete			area not tested; area is overgrown
3	17	11	18		overcast			flat		Disturbed	100		0	0	Complete			area not tested; area is overgrown
3	17	12	18		overcast	sandy loam & gravel	40	flat	H,S	Test Pitted	100		0	0	Complete			area is overgrown and has garbage dumped on it
3	17	13	18		overcast	sandy loam & gravel	20	flat	H,S	Disturbed	95	Test Pitted 5%	0	0	Complete			unit consists of ROW of all roads on map; unit disturbed because of ROW construction in most areas; Test pitted area on W side of Sandwich S from Chappus to Broadway, approx 1 transect to W of ditch; only areas near older trees undisturbed
3	17	14	18		overcast	sandy loam & gravel	40	flat	G,T	Test Pitted	100		0	0	Complete			
3	17	15	18		overcast	sandy loam & gravel	40	flat		Test Pitted	100		0	0	Complete			
3	17	16	18		overcast	sandy loam & gravel	35	flat	G	Test Pitted	100		0	0	Complete			area filled with junk; test pitted around junk piles

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3	17	17	18		overcast	sandy loam & gravel	30	flat	G	Test Pitted	100		0	0	Complete			6inch bolt recovered about 15cm below surface suggesting previous disturbance
3	17	18	18		overcast	sandy loam & gravel	10	flat	G	Test Pitted	100		0	0	Complete			crushed gravel found just below sod suggesting previous disturbance
3	17	19	18		overcast	sandy loam & gravel	30-40	flat	H,S	Test Pitted	100		0	0	Complete			overgrown slightly with some junk
3	17	20	18		overcast	sandy loam & gravel	30-40	flat	H,S	Test Pitted	100		0	0	Complete			overgrown slightly with some junk
3	17	21	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			overgrown slightly with some junk
3	17	22	18		overcast	topsoil & gravel	5	flat	G	Disturbed	100		0	0	Complete			entire unit has a crushed gravel deposit in it
3	17	23	18		overcast	topsoil & gravel	5	flat	G	Disturbed	100		0	0	Complete			entire unit has a crushed gravel deposit on it
3	17	24	18		overcast	sandy loam & gravel	40	flat	G	Disturbed	95	Test Pitted 5%	0	0	Complete			most of the unit has been disturbed by demolition of a house
3	17	25	18		overcast	sandy loam & gravel	40	flat	G	Test Pitted	75	Disturbed 25%	0	0	Complete	24-5		a lot of old cars etc. parked close to the house`
3	17	26	18		overcast	sandy loam & gravel	40	flat	G,T	Test Pitted	100		0	0	Complete			
3	17	27	18		overcast	sandy loam & gravel	40	flat	G,T	Test Pitted	100		0	0	Complete			
3	17	28	18		overcast			flat	G	Test Pitted	100		0	0	Work outstanding			unit surrounded by non-accessible units and is being used as a lawn
3	17	29	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete	24-6		
3	17	30	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	31	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	32	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	33	18		overcast	sandy loam & gravel	30-40	flat	L	Test Pitted	100		0	0	Complete			
3	17	34	18		overcast	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			
3	17	35	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	36	18		overcast	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	37	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	38	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	39	18		overcast	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	40	18		overcast	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	41	18		overcast	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	42	18		overcast	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	43	18		overcast	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	44	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	45	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	46	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	47	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	48	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	49	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	50	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete	25-7		
3	17	51	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	52	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	53	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	54	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		P20	H18	Complete			
3	17	55	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	56	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	57	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	58	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	59	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	60	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	61	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	62	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	63	18		sunny	sandy loam & gravel	30-40	flat	H,S	Test Pitted	100		0	0	Complete			
3	17	64	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	64	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	66	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	67	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	68	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	69	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	70	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	71	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	72	18		sunny	sandy loam & gravel	30-40	flat	H,G	Test Pitted	100		0	0	Complete			
3	17	73	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	74	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	75	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	76	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	77	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	78	18		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			
3	17	79	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete	25-8		
3	17	80	18		sunny	sandy loam & gravel	30-40	flat	G	Test Pitted	100		0	0	Complete			
3	17	81	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	82	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			

Priority	Map	Unit	Page # in Appendix A	Ground Visibility	Weather Conditions	Soils Characteristics	Soil depth in cm	Topography	Vegetation	Primary Survey Technique	%	Secondary Survey Technique	Number of Precontact Sites	Number of Euro Sites	Field Work Status	Page and Plate #s in Appendix B	Findings	Additional Comments
3	17	83	18		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			
3	17	84	18		sunny	sandy loam & gravel	30-40	flat	H,T	Test Pitted	100		0	0	Complete			
3	17	85	18		sunny	gravel		flat		Disturbed	100		0	0	Complete			
3	18	1	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete	26-1		area is a microwave tower site
3	18	2	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	3	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	4	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	5	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	6	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	t			some areas were disturbed
3	18	7	19		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	8	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	9	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	10	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	11	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	12	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	13	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	14	19		sunny	sandy loam & gravel	30-40	flat	H	Disturbed	95	Test Pitted 5%	0	0	Complete	26-2		some areas were disturbed
3	18	15	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	16	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	17	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	18	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	19	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete	26-3		some areas were disturbed
3	18	20	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	21	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	22	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	23	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	24	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	25	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	26	19		sunny	sandy loam & gravel	30-40	flat		Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	27	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	28	19		sunny	sandy loam & gravel	30-40	flat	H	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	29	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	30	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete	26-4		some areas were disturbed
3	18	31	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	32	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	33	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	34	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	35	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	37	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	38	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	39	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	40	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	41	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	42	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	43	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	44	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	45	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	46	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	47	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	50	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	51	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	52	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete			some areas were disturbed
3	18	53	19		sunny	gravelly loam	20	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey gravelly clay indicating previous disturbances
3	18	54	19		sunny	gravelly loam	20	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey gravelly clay indicating previous disturbance
3	18	55	19		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam; some areas of disturbance
3	18	56	19		sunny	sandy loam	20-40	falt	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam; some areas of disturbance
3	18	57	19		sunny	gravelly loam	20-40	flat	H	Test Pitted	100		0	H15	Complete	26-6		subsoil was a light grey gravelly to yellow to sandy loam
3	18	58	19		sunny	gravelly loam	20	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey gravelly clay indicating previous disturbances
3	18	59	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam; some areas of disturbance
3	18	60	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam
3	18	61	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam; some areas of disturbance
3	18	62	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam

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3	18	63	19		sunny	gravelly loam	20	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey gravelly clay indicating previous disturbance
3	18	64	19		sunny	gravelly loam	20	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey gravelly clay indicating previous disturbance
3	18	65	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam; some areas of disturbance
3	18	66	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil was a light grey or yellow sandy loam, some areas of disturbance
3	18	67	19		sunny	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam, some areas of disturbance
3	18	68	19		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam, some areas of disturbance
3	18	48, 49	19		sunny	sandy loam & gravel	30-40	flat	S	Test Pitted	100		0	0	Complete	26-5		some areas were disturbed
3	19	1	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	2	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete	27-1		subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	19	2	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete	27-1		subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	19	4	20		overcast	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey sandy loam; area is former subdivision
3	19	5	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivisions
3	19	6	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	7	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		P15	0	Complete	27-2		subsoil light grey or yellow sandy loam, some areas of disturbance; area is former subdivision
3	19	8	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area former subdivision
3	19	9	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	19	9	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	12	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area a former subdivision
3	19	13	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	19	14	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	15	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam , some areas of disturbance; area is former subdivision
3	19	16	20		overcast	gravel		flat	H	Disturbed	100		0	0	Complete	27-3		unit part of a now unused and unnamed road allowance; area is former subdivision
3	19	17	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	18	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam, some areas of disturbance; area is former subdivision
3	19	19	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	20	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	21	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	22	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is former subdivision
3	19	22	20		overcast	sandy loam	30-40	flat	H,S	Test Pitted	30	Disturbed 70%	0	0	Complete			area along Ojibway Parkway is gravel underneath sod; area N of Unit 31 E of tracks was undisturbed and showed natural soil profile
3	19	23	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	19	24	20		overcast			flat	G,S	Disturbed	100		0	0	Complete			unit consists of ROW of east of Scotten; area is former subdivision
3	19	25	20		overcast	topsoil & gravel	10	flat	G	Test Pitted	100		0	0	Complete	27-4		area is disturbed and has gravel under the sod layer
3	19	26	20		overcast	topsoil & gravel	10	flat	G	Test Pitted	100		0	0	Complete			area is disturbed and has gravel under the sod layer
3	19	27	20		overcast	topsoil & gravel	10	flat		Test Pitted	100		0	0	Complete			area is disturbed and has gravel under the sod layer
3	19	28	20		overcast	sandy loam	30-40	flat	G	Test Pitted	100		P16	0	Complete	27-5		eastern portion of unit next to Ojibway Parkway is gravel under sod

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3	19	29	20		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete			eastern portion of unit next to Ojibway Parkway is gravel under sod
3	19	30	20		overcast	gravel		flat	G,S	Disturbed	100		0	0	Complete			unit is part of now unused and unnamed road allowance; area is former subdivision
3	19	31	20		overcast	sandy loam	30-40	flat	G	Disturbed	70	Test Pitted 30%	0	0	Complete			W of tracks, unit includes Chappus ROW; E of tracks, unit appears undisturbed
3	19	33	20		overcast	sandy loam	30-40	flat	G,H,S	Test Pitted	100		0	0	Complete	27-6		area on E side of Ojibway Parkway and includes both an overgrown field next to Nature Centre on Chappus and the adjacent Parkway ROW
3	19	34	20		overcast	sandy loam	30-40	flat	S,H,G	Test Pitted	100		0	0	Complete	28-7		area around Nature Centre on Chappus
3	19	35	20		overcast	sandy loam	30-40	flat	S,H,G	Test Pitted	90	Disturbed 10%	0	0	Complete	28-8		area is overgrown woodlot with some old junk S of Units 33-34; E edge, which is a lawn, is covered with about 1m of fill
3	19	36	20		overcast	sandy loam	30-40	flat	S,H,G	Test Pitted	100		0	0	Complete	28-9		
3	19	37	20		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete	28-10		
3	19	38	20		overcast	sandy loam	30-40	flat	G	Test Pitted	100				Work outstanding			unit is housing lot at 4855 Ojibway Parkway
3	19	39	20		overcast	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	28-11		
3	19	10,11	20		overcast	sandy loam	20-40	flat	H	Test Pitted	100		0	0	Complete			subsoil light grey or yellow sandy loam; some areas of disturbance; area is a former subdivision
3	20	1	21		overcast	sandy loam	30-40	flat	S,T,H	Test Pitted	15	Disturbed 85%	P17	H16, H17	Complete	29-1 and 2		this part of unit 1 is E of Sandwich St. and S of Broadway and N of a now abandoned road. Along the N is a ditch that extends west from the west end of Broadway; the eastern edge of the areas tested has 2 abandoned agricultural fields
3	21	1	22		overcast	sandy loam	30-40	flat	S,T,G	Test Pitted	95	Disturbed 5%	0	0	Complete	30-1 and 2		extreme north end and south end of unit are disturbed with dumping or fill
3	21	2	22		overcast	sandy loam	20-40	flat	H,S	Test Pitted	100		0	0	Complete	30-3 and 4		only testing area 50m south of Broadway
3	22	01	23		overcast	sandy loam	20-40	flat	G	Test Pitted	100		0	0	Complete	31-1		subsoil is yellow or light grey sandy loam; unit is re-growth woodlot with some understory scrub and brambles
3	22	02	23		overcast	sandy loam	30-40	flat	L	Test Pitted	100		0	0	Complete	31-2		subsoil is yellow or light grey sandy loam; housing lot at 987 Chappus
3	22	03	23		overcast	sandy loam	30-40	flat	L	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; housing lot at 987 Chappus
3	22	4	23		overcast	sandy loam	30-40	flat	G,S,H	Test Pitted	20	Disturbed 50%	0	0	Complete	31-3		subsoil is yellow or light grey sandy loam; west side of Matchette ROW and unused ROW running between Matchette and Beech; part is disturbed by utilities along Matchette
3	22	05	23		overcast	sandy loam		flat	L	Test Pitted	100		0	0	Complete	31-4		subsoil is yellow or light grey sandy loam; hydro corridor on east side of Beech
3	22	06	23		overcast	sandy loam		flat	L	Test Pitted	100		0	0	Complete	31-5		subsoil is yellow or light grey sandy loam; yards associated with 4766 Matchette
3	22	07	23		overcast	sandy loam	30-40	flat	L	Test Pitted	100		0	0	Complete	31-6		subsoil is yellow or light grey sandy loam; yards associated with 4788 Matchette
3	22	8	23		overcast	sandy loam	30-40	flat	S,H	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam
3	22	9	23		overcast	sandy loam	30-40	flat	S,H	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam
3	22	12	23		overcast	sandy loam	30-40	flat	G,S,H	Disturbed	100		0	0	Complete	32-8		subsoil is yellow or light grey sandy loam; area is an unused road allowance;
3	22	15	23		overcast	sandy loam		flat	L	Disturbed	100		0	0	Complete			subsoil is yellow or light grey sandy loam; yards associated with 4838 Matchette
3	22	16	23		overcast	sandy loam	30-40	flat	S,G	Test Pitted	100		0	0	Complete			subsoil is light grey or yellow sandy loam; part of hydro corridor
3	22	17	23		overcast	sandy loam	30-40	flat	S,G,H	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; part of hydro corridor
3	22	18	23		overcast	sandy loam	30-40	flat	S,H	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam
3	22	19	23		overcast	sandy loam	30-40	flat	S	Test Pitted	50	Disturbed 50%	0	0	Complete	32-10		subsoil is yellow or light grey sandy loam; scrubby regrowth woodlot partly disturbed
3	22	20	23		overcast	sandy loam	30-40	flat	S	Test Pitted	70	Disturbed 30%	0	0	Complete			subsoil yellow or light grey sandy loam; scrubby regrowth woodlot partly disturbed
3	22	21	23		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; part of hydro corridor
3	22	22	23		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; part of hydro corridor
3	22	23	23		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete	32-11		subsoil is yellow or light grey sandy loam; part of hydro corridor
3	22	23	23		overcast	sandy loam	30-40	flat	G	Test Pitted	100		0	0	Complete	32-11		subsoil is yellow or light grey sandy loam; part of hydro corridor
3	22	10,11	23		overcast	sandy loam	30-40	flat	S,H,G	Test Pitted	100		0	0	Complete	32-7		subsoil yellow or light grey sandy loam
3	22	13,14	23		overcast	sandy loam		flat	L	Disturbed	100		0	0	Complete	32-9		subsoil is yellow or light grey sandy loam; yards associated with 4828 Matchette
3	23	1	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	2	24		sunny			flat	HH	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	3	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction

Priority	Map	Unit	Page # in Appendix A	Ground Visibility	Weather Conditions	Soils Characteristics	Soil depth in cm	Topography	Vegetation	Primary Survey Technique	%	Secondary Survey Technique	Number of Precontact Sites	Number of Euro Sites	Field Work Status	Page and Plate #s in Appendix B	Findings	Additional Comments
3	23	4	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	5	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	6	24		sunny	sandy loam		flat	H	Disturbed	100		0	0	Complete	33-1		Unit has been disturbed by housing and road construction
3	23	7	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	8	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	9	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	10	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	11	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	12	24		sunny			flat	H	Disturbed	100		0	0	Complete	33-1		unit has been disturbed by housing and road construction
3	23	13	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	14	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	15	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	16	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	17	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	18	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	19	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	20	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	21	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	22	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	23	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	24	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete	33-2		
3	23	25	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam; area covered in 6ft tall grass and weeds
3	23	26	24		sunny	sandy loam	20-30	flat	S	Test Pitted	100		0	0	Complete			
3	23	27	24		sunny	sandy loam	30-40	flat	T	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam
3	23	28	24		sunny	sandy loam	20-40	flat	H	Test Pitted	50		0	0	Complete	33-3		subsoil is yellow or light grey sandy loam; unit is former agricultural field; will finish next week
3	23	29	24		sunny	sandy loam	30-40	flat	H	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam; unit has 6ft tall weeds and grass
3	23	32	24		sunny	sandy loam	30-40	flat		Test Pitted	100		0	0	Complete	33-4		
3	23	32	24		sunny	sandy loam	20-40	flat	S	Test Pitted	50		0	0	Work outstanding	33-4		subsoil yellow or light grey sandy loam; unit is a re-growth woodlot with some understory scrub and brambles; will finish next week
3	23	35	24		overcast	sandy loam	30-40	flat	S,T,H	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; unit is a regrowth woodlot with some understory scrub and brambles; the unit is unused ROW
3	23	36	24		overcast	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; unit is regrowth woodlot with some understory scrub and brambles
3	23	37	24		overcast	sandy loam	20-40	flat	S,T,H	Test Pitted	100		0	0	Complete			subsoil yellow or light grey sandy loam; unit is regrowth woodlot with some understory scrub and brambles
3	23	38	24		overcast	sandy loam	20-40	flat	S,T,H	Test Pitted	100		0	0	Complete			subsoil is yellow or light grey sandy loam; unit is regrowth woodlot with some understory scrub and brambles
3	23	39	24		overcast	sandy loam	30-40	flat	G,H,S	Test Pitted	40		0	0	Work outstanding	33-5		subsoil is yellow or light grey sandy loam; unit is re-growth woodlot with some understory scrub and brambles; unit is unused ROW
3	24	1	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	60	Disturbed 40%	0	0	Work outstanding	34-1		some areas of unit are covered with fill from ditch
3	24	9	25		sunny	sandy loam	30-40	flat	S,T,H	Test Pitted	100		0	0	Complete	34-3		
3	24	10	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	11	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			11-29-06
3	24	12	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	12	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	15	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	16	25		sunny	sandy loam & clay loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete	34-5		
3	24	17	25		sunny	sandy loam	30-40	flat	G	Disturbed	70	Test Pitted 30%	0	0	Complete	34-6		lots of disturbance in this backyard
3	24	18	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	19	25		sunny	sandy loam	30-40	flat	S	Test Pitted	100		0	0	Complete	35-7		
3	24	20	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete			
3	24	21	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete	35-8		
3	24	13,14	25		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0	Complete	34-4		
3	25	1	26		sunny	sandy loam	20	flat	S,T,H	Test Pitted	80	Disturbed 20%	0	0		36-1		
3	25	2	26		sunny	sandy loam	20-30	flat	S,T	Disturbed	100			H19, H20		36-2		
3	25	3	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	4	26-Jan		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	5	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	6	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	7	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	8	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0				
3	25	9	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0		36-3		
3	25	10	26		sunny	sandy loam	20-40	flat	H,S,T	Test Pitted	100		P18	H21		36-4 and 5		

Priority	Map	Unit	Page # in Appendix A	Ground Visibility	Weather Conditions	Soils Characteristics	Soil depth in cm	Topography	Vegetation	Primary Survey Technique	%	Secondary Survey Technique	Number of Precontact Sites	Number of Euro Sites	Field Work Status	Page and Plate #s in Appendix B	Finds	Additional Comments	
3	25	11	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0					
3	25	12	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0					
3	25	13	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0					
3	25	14	26		sunny	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0					
3	25	15	26		foggy	sandy loam	20-30	flat	S,T	Test Pitted	30	Disturbed 70%	0	0		36-6			
3	25	16	26		foggy	sandy loam	30-40	flat	S,T	Test Pitted	100		0	0		37-7			
3	25	17	26		foggy	sandy loam	30	flat	S,T	Test Pitted	60	Disturbed 40%	0	0		37-8			
3	25	18	26		foggy	sandy loam	30	flat	H	Test Pitted	100		0	0					
3	26	1	27				30	flat	G,L	Test Pitted	100		P19	H22		38-1			
3	26	2	27				30	flat	G	Test Pitted	100		0	0		38-2			
3	26	3	27				30	flat	G	Test Pitted	100		0	0		38-3			
3	26	4	27				30	flat		Test Pitted	100		0	0					
3	26	5	27				30	flat		Test Pitted	100		0	0					
3	26	6	27				30	flat		Test Pitted	100		0	0					
3	26	7	27				30	flat		Test Pitted	100		0	0					
3	26	8	27				30	flat	G	Test Pitted	100		0	0		38-4			
3	26	9	27					flat		Disturbed	100		0	0					
3	26	10	27					flat		Disturbed	100		0	0		38-5			
3	26	11	27					flat		Disturbed	100		0	0		38-6			
3	26	12	27					flat		Disturbed	100		0	0					
3	27	1	28		foggy	clay loam	20-30		G	Test Pitted	100		0	0					
3	27	2	28		foggy	clay loam			G	Test Pitted	100		0	0					
3	27	3	28		overcast	sandy loam	30	flat	L, tilled garden	Test Pitted	60	Pedestrian Survey 40%	0	0	Complete	39-1		40% of unit was a tilled garden that was visually assessed	
3	27	4	28		sunny	sandy loam	30	flat	S,T,L	Test Pitted	100		0	0	Complete	39-2		update	
3	27	5	28		foggy	clay loam	30		G	Test Pitted	100		0	0					
3	27	6	28		foggy	clay loam	30		G	Test Pitted	100		0	0					
3	27	10	28		foggy	clay loam			L	Disturbed	100		0	0					
3	27	11	28		sunny	sandy loam	30-40	flat		Test Pitted	100		0	0	Complete	39-4			
3	27	12	28		sunny	sandy loam	30-40	flat		Test Pitted	100		0	0	Complete			most seems disturbed	
3	27	13	28		sunny	sandy loam	30-40	flat		Test Pitted	100		0	0	Complete			most seems to be disturbed	
3	28	04	29		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete			most seems to be disturbed	
3	28	05	29		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete				
3	28	06	29		sunny	sandy loam	30	flat	L	Test Pitted	100		0	0	Complete	40-1			
3	28	7	29		sunny			flat		Disturbed	100		0	0	Complete	40-2		modern house lot at 540 Mero Ave	
3	28	8	29		sunny			flat	L	Disturbed	100		0	0	Complete			modern house lot at 556 Mero Ave	
3	28	9	29		sunny			flat	L	Disturbed	100		0	0	Complete			modern house lot at 555 Mero Ave	
3	28	10	29		sunny			flat	L	Disturbed	100		0	0	Complete			modern house lot at 569 Mero Ave	
3	28	10	29		sunny			flat	L	Disturbed	60		0	0	Complete			could not gain access; owner was not home and backyard was completely fenced in; front yard has been disturbed by housing construction and landscaping	
3	28	11	29		sunny			flat	L	Disturbed	100		0	0	Complete			modern house at 583 Mero Ave	
3	28	12	29		sunny			flat		Disturbed	100		0	0	Complete	40-3		commercial building and parking lot at 575 Hwy 3	
3	28	13	29		sunny			flat		Disturbed	100		0	0	Complete			commercial building and parking lot at 595 Hwy 3	
3	28	14	29		sunny	sandy loam	30-40	flat	L	Disturbed	60	Test Pitted 40	0	0	Complete			according to owner, lots of fill has been deposited in backyards	
3	28	16	29		sunny			flat	L	Disturbed	100		0	0	Complete			house lot at 1224 Imperial Cres	
3	28	17	29		sunny			flat		Disturbed	100		0	0	Complete	40-4		commercial parking lot at 585 Hwy 3	
3	28	18	29		sunny			flat		Disturbed	100		0	0	Complete	40-5		road allowances on map, Talbot and Howard	
3	29	1	30		sunny			flat		Disturbed	100		0	0	Complete	41-1 and 2		unit is the road allowances of Talbot Road and Outer Drive and their intersection	
3	29	2	30		sunny			flat		Disturbed	100		0	0	Complete			building at 5725 Outer Drive	
3	30	01	31		sunny			flat		Test Pitted	70	Disturbed 30	0	0	Complete	42-1		building at 5495 Outer Drive	
3	30	2	31		sunny			flat		Disturbed	100		0	0	Complete	42-2		house lot at 1496 Imperial Cres	
3	30	03	31		sunny			flat		Disturbed	100		0	0	Complete	42-3		house lot at 1352 Imperial Cres	
Vegetation Legend																			
G	Grassy																		
H	Herbaceous																		
L	Landscaped																		
S	Scrub																		
T	Treed																		

## APPENDIX E – MATRICES TABLES

**ALT 1A to Plaza A**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources								
	Segments-Malden Road to North Talbot Rd								Comments
Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	Highway 3 to North Talbot Rd	
			G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	0 (score of 4)	0 (score of 4)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	1 (score of 3)	1 (score of 3)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 3.2)	(score of 2.6)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3
<b>Factor Summary:</b>			Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007						

1-High Impact    2-Medium Impact    3-Low Impact    4-Neutral/No Impact  
 5-Low Benefit    6-Medium Benefit    7-High Benefit

**ALT 1A to Plaza B or C**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources								
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	4 (score of 1)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	2 (score of 2)	0 (score of 4)	1 (score of 3)	1 (score of 3)	2 (score of 2)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 2.8)	(score of 2.6)	(score of 2.4)	(score of 3.4)	Total Average Factor Score for Alternative -3 (2.8)

**Factor Summary:**  
 1-High Impact    2-Medium Impact  
 3-Low Impact    4-Neutral/No Impact

Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007

### ALT 1A Opt 2 to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments			
			Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd		Cousineau Rd to Howard Ave	Howard Ave to Highway 401	Highway 3 to North Talbot Rd
						G-H	H-I	I-J		J-K	K-L	L-M
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)			
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)			
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)				
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)				
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)			
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.0)	(score of 2.6)	(score of 2.8)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative -3 (2.8)			
<b>Factor Summary:</b>			Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007									

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 1A to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	1 (score of 3)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	2 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.2)	(score of 2.6)	(score of 2.8)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative -3 (2.9)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 1B to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources									
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments	
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	1 (score of 3)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	
<b>Average Factor Score for Each Segment</b>			(score of 2.6)	(score of 3.4)	(score of 2.4)	(score of 2.6)	(score of 2.6)	(score of 2.8)	Total Average Factor Score for Alternative -3 (2.7)	
<b>Factor Summary:</b>			Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

**ALT 1B to Plaza B or C**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	1 (score of 3)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	1 (score of 3)	0 (score of 4)	3 (score of 2)	1 (score of 3)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.6)	(score of 3.2)	(score of 2.6)	(score of 2.6)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3.0 (2.9)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 1B Option 2 to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources									
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments	
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)		
<b>Average Factor Score for Each Segment</b>				(score of 2.6)	(score of 3.4)	(score of 2.6)	(score of 2.8)	(score of 2.4)	(score of 2.6)	Total Average Factor Score for Alternative - 3
<b>Factor Summary:</b>			Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 1B Option 2 to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources									
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments	
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	1 (score of 3)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	2 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)		
<b>Average Factor Score for Each Segment</b>				(score of 2.6)	(score of 3.4)	(score of 2.4)	(score of 3.2)	(score of 2.6)	(score of 2.8)	Total Average Factor Score for Alternative – 3 (2.8)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007								

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

**ALT 2A to Plaza A**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources								
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments
Malden Rd to Pulford				Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	Highway 3 to North Talbot Rd	
			G-H	H-I	I-J	J-K	K-L	L-M	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	3 (score of 2)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 2.6)	(score of 2.4)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative – 3 (2.8)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

**ALT 2A to Plaza B or C**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources								
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	1 (score of 3)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 2.6)	(score of 2.6)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3 (2.9)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 2A Option 2 to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources									
	Performance Measure	Criteria/Indicator	Measurement/Units	Segments-Malden Road to North Talbot Rd					Comments	
				Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				G-H	H-I	I-J	J-K	K-L	L-M	
ARCHAEOLOGICAL FEATURES	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	
<b>Average Factor Score for Each Segment</b>			(score of 2.6)	(score of 3.0)	(score of 2.4)	(score of 2.8)	(score of 2.6)	(score of 2.4)	Total Average Factor Score for Alternative – 3 (2.6)	
<b>Factor Summary:</b>			Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 2A Option 2 to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.6)	(score of 3.0)	(score of 2.4)	(score of 2.8)	(score of 2.6)	(score of 2.6)	Total Average Factor Score for Alternative – 3 (2.6)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

**ALT 2B to Plaza A**

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	1 (score of 3)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 2.6)	(score of 2.6)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative – 3 (2.9)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 2B to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments	
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	1 (score of 3)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 2.6)	(score of 2.6)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3 (2.9)	
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007								

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 2B Option 2 to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments	
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)		
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.4)	(score of 3.0)	(score of 2.8)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3	
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007								

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 2B Option 2 to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	5 (score of 1)	0 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.6)	(score of 3.0)	(score of 2.4)	(score of 3.4)	(score of 3.0)	(score of 2.8)	Total Average Factor Score for Alternative - 3
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 3 to Plaza A

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments	
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401		Highway 3 to North Talbot Rd
				<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	2 (score of 1)	2 (score of 1)	1 (score of 2)	0 (score of 4)		
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	3 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.0)	(score of 2.4)	(score of 2.8)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative - 3 (2.8)	
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007								

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### ALT 3 to Plaza B or C

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Malden Road to North Talbot Rd						Comments
	Performance Measure	Criteria/Indicator	Measurement/Units	Malden Rd to Pulford	Pulford north of Lennon Drain	North of Lennon Drain to Cousineau Rd	Cousineau Rd to Howard Ave	Howard Ave to Highway 401	
			<b>G-H</b>	<b>H-I</b>	<b>I-J</b>	<b>J-K</b>	<b>K-L</b>	<b>L-M</b>	
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	0 (score of 4)	2 (score of 1)	1 (score of 2)	0 (score of 4)	
		(d) Number of known Rank 4 sites archaeological sites affected (pre-contact findspots)	2 (score of 2)	0 (score of 4)	3 (score of 2)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.4)	(score of 3.0)	(score of 3.0)	(score of 2.8)	(score of 3.0)	(score of 3.4)	Total Average Factor Score for Alternative – 3 (2.9)
<b>Factor Summary:</b>		Evaluation of Archaeological areas incomplete. Priority 1 and 2 are complete only for properties with permission to enter. Priority 4 and 5 areas scheduled for survey in 2007							

1-High Impact    2-Medium Impact    3-Low Impact  
 4-Neutral/No Impact    5-Low Benefit    6-Medium Benefit  
 7-High Benefit

### Plaza Segments

PRACTICAL ALTERNATIVE EVALUATION	Factor: Protect Cultural Resources		Segments-Crossings to Malden Rd																
			Plaza A				Plaza B			Plaza B1				Plaza C					
			From Crossing A	From Crossing B	From Crossing C	From Crossing C	From Crossing C			From Crossing B		From Crossing C		From Crossing C					
Performance Measure	Criteria/Indicator	Measurement/Units	A-G	B-G	C-G	C-E-G	C-E	E-F	F-G	B-F	F-G	C-F	F-G	C-D	D-E	E-F	F-G		
<b>Average Factor Score for Each Segment</b>	Disturbance or destruction of known archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)	0 (score of 4)
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	4 (score of 1)	1 (score of 2)	2 (score of 1)	2 (score of 1)	1 (score of 2)	1 (score of 2)	1 (score of 2)	3 (score of 4)	1 (score of 2)	2 (score of 1)	1 (score of 2)	0 (score of 4)	0 (score of 4)	1 (score of 2)			
		(d) Number of known Rank 0 (score of 4) sites archaeological sites affected (pre-contact findspots)	5 (score of 1)	4 (score of 1)	3 (score of 2)	4 (score of 1)	2 (score of 2)	1 (score of 3)	2 (score of 2)	1 (score of 3)	2 (score of 2)	1 (score of 3)	2 (score of 2)	0 (score of 4)	0 (score of 4)	1 (score of 3)			
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)	> 50% (score of 1)
<b>Average Factor Score for Each Segment</b>			(score of 2.2)	(score of 2.4)	(score of 2.4)	(score of 2.2)	(score of 2.6)	(score of 2.8)	(score of 2.6)	(score of 3.2)	(score of 2.6)	(score of 2.6)	(score of 2.6)	(score of 3.4)	(score of 3.4)	(score of 2.8)	(score of 2.8)		
<b>Factor Summary:</b>		<b>Segments A, B, C, and C1 have not been assessed to date. These segments fall under Priority 4 and 5 properties. Priority 4 and 5 areas scheduled for survey in 2007</b>																	

1-High Impact    2-Medium Impact    3-Low Impact    0 (score of 4)-Neutral/No Impact    5-Low Benefit    6-Medium Benefit    7-High Benefit

**Plazas**

Plazas		Factor: Changes in Social Environment				
Performance Measure	Criteria/Indicator	Measurement/Units	Plaza's			
			Plaza A	Plaza B	Plaza B1	Plaza C
<b>ARCHAEOLOGICAL FEATURES</b>	Disturbance or destruction of known significant archaeological sites	(a) Number of known Rank 1 archaeological sites affected (sites with human remains [or potential for burials] or on National Inventory)	0 (score of 4)	unknown to date	0 (score of 4)	unknown to date
		(b) Number of known Rank 2 archaeological sites affected (large pre-contact habitation sites [villages])	0 (score of 4)	unknown to date	0 (score of 4)	unknown to date
		(c) Number of known Rank 3 archaeological sites affected (small pre-contact habitation sites [e.g. campsites] or Euro-Canadian homestead sites)	3 (score of 1)	unknown to date	3 (score of 1)	unknown to date
		(d) Number of known Rank 0 (score of 4) sites archaeological sites affected (pre-contact findspots)	2 (score of 1)	unknown to date	0 (score of 4)	unknown to date
		Percentage of acreage with archaeological site potential affected	> 50% (score of 1)			
<b>Average Factor Score for Each Segment</b>			(score of 2.2)	N/A	(score of 2.8)	N/A
<b>Factor Summary:</b>		<b>Segments A, B, C, and C1 have not been assessed to date. These segments fall under Priority 4 and 5 properties. Priority 4 and 5 areas scheduled for survey in 2007</b>				

1-High Impact    2-Medium Impact    3-Low Impact    0 (score of 4)-Neutral/No Impact    5-Low Benefit    6-Medium Benefit    7-High Benefit